

**Canadian Journal of Neurological
Sciences**

**Le Journal Canadien des Sciences
Neurologiques**

Volume 6

January to December, 1979

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES

LE JOURNAL CANADIEN DES SCIENCES NEUROLOGIQUES

Editorial Advisory Board

C. Miller Fisher
Boston

J. C. Richardson
Toronto

Donald B. Tower
Bethesda

Editorial Board

Murray L. Barr
London

Donald W. Baxter
Montreal

Claude Bertrand
Montreal

Guy Courtois
Montreal

John G. Humphrey
Toronto

Alan J. McComas
Hamilton

Douglas A. McGreal
Toronto

George Monckton
Edmonton

D. G. Montemurro
London

T. P. Morley
Toronto

Dwight Parkinson
Winnipeg

J. W. Phillis
Saskatoon

Louis J. Poirier
Quebec

T. B. Rasmussen
Montreal

Neil B. Newcastle
Toronto

J. C. Szerb
Halifax

Margaret W. Thompson
Toronto

John A. Wada
Vancouver

Leonard S. Wolfe
Montreal

Associate Editor

Andre Barbeau
Montreal

THE EDITORIAL BOARD wishes to publish original work in the basic and clinical neurosciences on the understanding that it has not been and will not be published elsewhere. Review articles on timely subjects will be accepted. Manuscripts must be in duplicate including illustrations. One of the copies must be the original, ribbon copy. Manuscripts should be typed double spaced, on white paper.

Papers will be accepted in French or English. All papers should be accompanied by a short résumé in both languages. The résumé translation will be done by the editorial board if requested.

Papers should be identified only by the full name of the author, or authors, and the name of the place in which the work was done.

ILLUSTRATIONS: Photographs should be unmounted on glossy paper and show magnification scale. They should be marked on the back with figure number, title of paper and name of author.

Diagrams should be in India ink and large enough to be informative after reduction.

All illustrations should be referred to as figures, numbered consecutively, not included in the body of the text and

Editor

R. T. Ross
Winnipeg

all captions should be typed on a separate piece of paper.

Colored illustrations cannot usually be accepted unless the author is prepared to assist with the cost of reproduction.

REFERENCES to authors outside the context of the sentence should read (Name, Year). i.e. "However, a recent study (Bird and Iverson, 1975) showed a decreased, etc." Authors mentioned within the context of the sentence should read Name (Year). i.e. "... twenty years since Ecker and Reimenhender (1951) demonstrated, etc." References should be typed in alphabetical order on a separate sheet and include author's name, initials, year, title, publication, volume, first and last page, i.e. Isacson, P. (1967). Myx-oviruses and autoimmunity. Progress in Allergy, 10, 256-292. Abbreviations should be the same as those used in Cumulated Index Medicus.

Textbook references should include name of text, author's name, page number, publisher and city.

REPRINTS: Fifty reprints will be supplied free if ordered when the galley proofs are returned. More may be ordered at a nominal charge. Corrections and changes in the galley proofs, apart from printer's errors may be charged to the author.

Editorial Assistant

Angela B. Ross
Winnipeg

This journal is indexed by **Index Medicus**, **Excerpta Medica** and **Current Contents — Clinical Practice and Life Science**.

SUBSCRIPTIONS: This journal is issued four times a year. The annual rate is \$24.00 for Canada and the U.S.A., \$26.00 elsewhere. Internes, Residents, Pre- and Post-Doctoral Students, \$12.00 per annum. Single copies \$10.00 each.

ADVERTISING: Enquiries regarding advertising space and rates should be directed to LEX LTD. VANCO PUBLICATIONS, 190 Main Street, Unionville, Ontario L3R 2G9. Telephone — (416) 297-2030.

All communications, manuscripts, subscriptions, etc., should be sent to the Editor, at 700 William Avenue, Room GF543, Winnipeg, Manitoba R3E 0Z3 Canada.

COPYRIGHT ©1979 by THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES INC. No part of this journal may be reproduced in any form without the prior permission of The Canadian Journal of Neurological Sciences.

Printed by Lawson Graphics Ltd.,
708 Moray Street
Winnipeg, Manitoba R3J 3S9.

Mailed under second class registration number 3307. Postage paid at Winnipeg, Manitoba.

The Journal gratefully acknowledges the support of the Winnipeg Clinic Research Institute, National Research Council Canada and the Murphy Foundation of Winnipeg.

Author Index to Volume 6

The full citation is listed under the name of the first author. Other authors are referred to the name of the first author. Abs = abstract.

- Abbsssiou Kazem:** See Derakhshan Iraj
Agid Y: Pollak P, Bonnet A M, Lhermitte F: Bromocriptine Associated with a Peripheral Dopamine Blocking Agent in the Treatment of Parkinsonism, 73 (Feb) Abs
_____: See Lhermitte F
Agnati L: See Fuxe K
Agnoli A: See Ruggieri S
Agoli A: See Scarnati E
Aguayo A J: See Bray G M
_____: See Richardson P M
Aldridge J W: See Murphy J T
Ali-Khan Z: Chayasirisobhon S, Aube M: Human Cysticercosis: A Probable Case of Cerebral Cysticercosis with Generalized Subcutaneous Nodular Lesions, 371 (Aug)
Allain H: Van Den Driessche J, Sabourand O: Interet de l'etude de l'Activite Renine Plastique (ARP) Chez les Parkinsoniens, 73 (Feb) Abs
_____: See Sabourand O
Allen Peter B R: "Bubble-Head Doll" Syndrome, 386 (Aug) Abs
Altmann H: See Struppel A
Amacher A L: Volume-Pressure Studies in Adult Hydrocephalus, 383 (Aug) Abs
_____: See Durward Q J
Amato G: See Trouche E
Amyot Y: See Renevey F
Anden N E: The Significance of the Neostriatum and the Nucleus Accumbens for the Rigidity and the Akinesia Induced by Neuroleptic Drugs, 73 (Feb) Abs
_____: and Grabska-Anden M: Pre-synaptic and Post-synaptic Effects of Dopamine Receptor Blocking Agents, 73 (Feb) Abs
Andermann Eva, Andermann Frederick, Bergeron Denis, Langevin Pierre, Nagy Richard, Bergeron Jean: Familial Agenesis of the Corpus Callosum with Sensorimotor Neuropathy: Genetic and Epidemiological Studies of over 170 Patients, 400 (Aug) Abs
_____: See Kirkham T H
_____: See Dansky Linda
_____: See Keene Daniel L
Andermann Frederick, Dinsdale Henry B, Taylor Laughlin B, Wood Robert W: Neurological Disorders and Immigration. A Progress Report, 399 (Aug) Abs
_____: See Keene D
_____: See Lal S
_____: See Andermann Eva
_____: See Dansky Linda
_____: See Keene Daniel L
Anderson Brian and Robertson David M: Melanin Containing Neurofibroma: Case Report with Evidence of Schwann Cell Origin of Melanin, 139 (May)
Anderson G M: See Young S N
Anderson R J: See Murphy J T
Andersson K: See Fuxe K
Archer C: See Sarnat H
Arnould E: See Renaud L P
Ashby J: See Berger E
Aube M: See Ali-Khan Z
_____: See Boghen D
Aucoin L A: See Brownell A K W
Auger C: See Berger E
Azari J, Reisine T, Barbeau A, Yamamura H I, Huxtable R: The Syrian Golden Hamster: A Model for the Cardiomyopathy of Friedreich's Ataxia, 223 (May)
_____: See Huxtable R
_____: See Reisine T D
Badejo A: See Holness R O
Bak I J, Markham C H, Cook M L, Stevens J G: Neuron Identification in the Neostriatum by Means of Retrograde Transport of Herpes Simplex Virus, 74 (Feb) Abs
_____: See Markham Charles H
Baldassarre M: See Ruggieri S
Ball M J, Bell M A: Microvascular Morphometry in Hippocampal Cortex of Aged and Demented People, 390 (Aug) Abs
Band P: See Blain J G
Banerji N K: See Papakostopoulos D
Barbeau A: Friedreich's Ataxia 1979: An Overview 311 (May)
_____: Quebec Cooperative Study of Friedreich's Ataxia, 145 (May)
_____: and Roy M: Newer Therapeutic Approaches in Extrapyramidal Disorders, 74 (Feb) Abs
_____: See Azari J
_____: See Bouchard J P
_____: See Bouchard R W
_____: See Butterfield D A
_____: See Butterworth R F
_____: See Davignon Jean
_____: See Draper P
_____: See Filla A
_____: See Hamel E
_____: See Huxtable R
_____: See Jolicœur F B
_____: See Melancion S B
_____: See Morgan R O
_____: See Peyronnard J M
_____: See Reisine T D
_____: See Steinberg M S
_____: See Wheatley Brian
Barber H: See Dionne J
Barnett H J M: See Fox Allan J
_____: See Purdy R A
Barr H W K: See Durward Q
Barrett Robert E: See Fahn Stanley
Bartholini G, Scatton B, Worms P, Zivkovic B, Lloyd K G, Tissot R: GABA and Dopamine Neurons: Relation to Extrapyramidal Disorders, 74 (Feb) Abs
Barwinsky J, Newman M: Carotid Endarterectomy and Prevention of Stroke, 390 (Aug) Abs
Bathien N, Toma S, Rondot P: EMG Activity and Spinal Reflexes in L-Dopa Dyskinesia, 74 (Feb) Abs
_____: Tomas S, Rondot P: Westphal Phenomenon in Dystonia, 74 (Feb) Abs
Battista A F: See Goldstein M
Bawa P: See Tatton W G
Baxter D W, Lal S, Rasmussen M: Essential Tremor and Dystonic Syndromes, 74 (Feb) Abs
_____: See Lal S
Beaubaton D: See Trouche E
Beaulieu Michele: See Labrie Fernand
Becker W J, Huhn O H, West R, Seland T P, Swanson H A: Isolated Vein of Galen Thrombosis: Clinical and Pathological Features, 392 (Aug) Abs
Bedard P, Price P, Parkes D, Marsden C D: New Approaches to the Management of Drug-Induced Involuntary Movements, 75 (Feb) Abs
_____: See Parkes J D
Bedard P J, Dankova J, Boucher R, Langelier P: Estrogens, Progesterone and the Extrapyramidal System, 74 (Feb) Abs
Begin R, Lupien L, Bureau M A, Labbe J, Lemieux B: Regulation of Respiration in Friedreich's Ataxia, 159 (May)
Bell M A: See Ball M J
Benoit G B, Nabavi N L: Spontaneous Dissection of the Internal Carotid Artery, 389 (Aug) Abs
Berg J M: See Dooley J M
Berger E, Ashby J, Auger C, Duckett G, Mayrand Y, Neaga A, Villota M: An Unusual Case of a Partly Calcified Arachnoid Cyst at D7 and Meningioma at D8-D9 Causing Paraparesis, 387 (Aug) Abs
Bergeron Denis: See Andermann Eva
Bergeron Jean: See Andermann Eva
Berry Henry: See Bril Vera
Bertrand C, Molina-Negro P, Martinez S N: Stereotactic Targets for Dystonias and Dyskinésias and Their Relationship to Cortico-Bulbar Fibers, 75 (Feb) Abs
Besson M J: See Giorguieff M F
Beuchent D E: See Everts E V
Beverley K I: See Whitlock J
Bilbao J: See Wilson R
Bilbao J M: See Gladstone R M
_____: See Tucker W S
Birkmayer W and Boltzmann L: Principles and Problems of Therapy, 75 (Feb) Abs

- Blain J G**, Band P, Piccoli-Baretta M, Martin L: Cis-Platinum Neuropathy. A Clinical and Pathological Study, 378 (Aug) Abs
- Blume W T**: See Young G B
- Boegman R**: See Riopelle R J
- Boghen D**, Laflamme P, Kirkham T, Aube M: Primary Aberrant Regeneration, 398 (Aug) Abs
- Boileau Jean**: See Duplantis Fernand
- Bolton C F**, Sawa G M, Carter K: Temperature Effects on the Size of Human Sensory Compound Action Potentials, 378 (Aug) Abs
_____: See Young G B
- Boltzmann L**: See Birkmayer W
- Bonnet A M**: See Agid Y
_____: See Lhermitte F
- Borozny M**: See Woodhurst W B
- Bossier J R**: See Euvrard C
- Bouchard J P**, Barbeau A, Bouchard R, Bouchard R W: Electromyography and Nerve Conduction Studies in Friedreich's Ataxia and Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay (ARSACS), 185 (May)
_____: Barbeau A, Bouchard R, Paquet M.
Bouchard R W: A Cluster of Friedreich's Ataxia in Rimouski, Quebec, 205 (May)
- Bouchard J P**: See Bouchard R W
_____: See Dionne J
_____: See Langelier R
- Bouchard R**: See Bouchard J P
_____: See Bouchard R W
_____: See Dionne J
_____: See Langelier R
- Bouchard R W**, Bouchard J P, Bouchard R, Barbeau A: Electroencephalographic Findings in Friedreich's Ataxia and Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay (ARSACS), 191 (May)
_____: See Bouchard J P
- Boucher R**: See Bedard P J
- Boule M**, Vanasse M, Brakier-Gingras L: Decrease in the Rate of Protein Synthesis by Polyosomes from Cultured Fibroblasts of Patients and Carriers with Duchenne Muscular Dystrophy, 355 (Aug)
- Bove I**: See Casacchia M
- Brakier-Gingras L**: See Boule M
- Bratten B**, Hudson A: Sciatic Nerve Grafting of Spinal Cord Defect, 394 (Aug) Abs
- Bray G M**, Duncan I D, Aguayo A J: Ultrastructural Appearance of Peripheral Nerve Fibers Demyelinated with Lysophosphatidyl Choline (LPC), 397 (Aug) Abs
- Brennan M**: See Draper P
- Brett D C**: See Ferguson G G
- Bril V**, Newcastle N B, Humphrey J G: Oculoskeletal Myopathy with Abnormal Mitochondria, 378 (Aug) Abs
- Bril Vera, Berry Henry**: Axillary (Circumflex) Nerve Palsy following Blunt Trauma to the Shoulder Region, 388 (Aug) Abs
- Britt B A**: See Gordon A S
- Broughton Roger**, Mamelak Mortimer: The Treatment of Narcolepsy-Cataplexy with Nocturnal Gamma-Hydroxybutyrate, 1 (Feb)
- Brown J D**: See Cooke J D
- Brown William F**: See Yates Stephen K
- Brownell A K W**, Aucoin L A, Preshaw R M A: A Mitochondrial Myopathy in Three Generations, 378 (Aug) Abs
_____: Severson D L, Thompson C D, Fletcher, T: Cold Induced Rhabdomyolysis in Carnitine Palmitoyl Transferase Deficiency, 367 (Aug)
- Brownell K**: See Sarnat H
- Brownell K A**: See Darwish H
- Bruce I C**: See Tatton W G
- Bruni J**, Gallo J M, Lee C, Wilder B J: Protein Binding and Salivary Concentrations of Valproic Acid in Epileptic Patients, 394 (Aug) Abs
_____: Gallo J M, Wilder B J: Effect of Phenytion on Protein Binding of Valproic Acid, 453 (Nov)
_____: Wilder B J, Perchalski R J: Valproic Acid and Plasma Levels of Phenobarbital, 383 (Aug) Abs
_____: Willmore L J, Wilder B J: Treatment of Postanoxic Intention Myoclonus with Valproic Acid, 39 (Feb)
_____: Willmore L James: Epilepsy and Pregnancy, 345 (Aug)
- Bryan A C**: See Wong P K H
- Brzin M**: Cholinesterases in Brain, Ganglionic and Neuromuscular Synapses, 75 (Feb) Abs
- Budininkas-Schoenebeck M**: See Tennyson V M
- Bureau M**: See Cote M
- Bureau M A**: See Begin R
- Burnham W M**: See Racine Ronald
- Butcher L L**, Hodge G K: Pars Compacta of the Substantia Nigra Modulates Locomotion and Circling but is not Involved in Regulating Food and Water Intake, 75 (Feb) Abs
_____: See Fibiger H C
- Butcher Sherrel H**: Dopaminergic, Serotonergic and Cholinergic Drugs and Their Effects on Levels and Turnover of Neostriatal Acetylcholine (A Ch) and Choline (Ch), 75 (Feb) Abs
- Butterfield D A**, Leung P K, Markesberry W R, Barbeau A: Evidence for an Altered State of Membrane Proteins in Erythrocytes in Friedreich's Ataxia, 295 (May)
- Butterworth F M**, Ristow G E, Collarini E: Fluctuation of Plasma Cortisol Levels in Multiple Sclerosis, 59 (Feb)
- Butterworth R F**, Hamel E, Landreville F, Barbeau A: Amino Acid Changes in Thiamine-Deficient Encephalopathy: Some Implications for the Pathogenesis of Friedreich's Ataxia, 217 (May)
_____: See Fillia A
_____: See Hamel E
_____: See Jolicœur F B
- Cain Donald P**: See Corcoran Michael E
- Calne Donald B**: See Evarts E V
_____: See Neophytides Andreas I
_____: See Nutt John
_____: See Teravainen H
_____: See Williams A C
- Cameron D**: See Riopelle R J
- Camfield P R**, Mehranesh F, Embil J: Powassan Encephalitis Resembling Herpes virus Encephalitis and Treated with Adenine Arabinoside (ARA-A), 396 (Aug) Abs
- Camfield Peter**: See Sangalang V
- Cappellini R**: See Casacchia M
- Carlsson A**: Age-Related Changes in Brain Monoamines, 76 (Feb) Abs
- Carpenter S**: See Karpati G
_____: See Watters G V
- Carter K**: See Bolton C F
- Casacchia M**, Cappellini R, Meco R, Bove L, Cirillo R: Effect of Brain Phospholipids in Parkinson's Disease. Clinical and Neurological Aspects, 76 (Feb) Abs
_____: Fieschi C, Meco G, Nardini M: Deprenyl in Parkinson's Disease, 76 (Feb) Abs
_____: See Meco G
- Casson I**: See Lieberman A N
- Chamberlain S**, Walker J L, Sachs J A, Wolf E, Festenstein H: Non-Association of Friedreich's Ataxia and HLA Based on Five Families, 451 (Nov)
- Chanelet J**: See Huc B
- Charroux L**: See Peyronnard J M
- Chase T N**, Tamminga C A: Dopamine Agonist Therapy of Naturally Occurring and Drug-Induced Hyperkinetic Extrapyramidal Disorders, 76 (Feb) Abs
- Chauvel P**: See Marchand R
- Chayasisobhon S**, Eisen A, Ridsdale L: Spinal and Cortical Potentials Evoked by Tibial Nerve Stimulation in Controls and Multiple Sclerosis, 384 (Aug) Abs
_____: See Ali-Khan Z
- Cheramy A**: See Nieoullon A
- Chida T**: See Narabayashi H
- Chiu M**: See Watson C Peter
- Choo Sin H**: See Ventureyra Enrique C G
_____: See Ivan L P
- Chouza C**, Romero S, Schroeder A, Lorenzo J, Gaudiano M, Gomensoro J B: A Comparative Study of Dyskinesias and Dystonias Provoked by L-Dopa and Bromocriptine with Special Reference to the "On-Off" Effect, 76 (Feb) Abs
- Cimon M**: See Cote M
- Cirillo R**: See Casacchia M
- Clarkson Thomas W**: See Wheatley Brian
- Coccia M B**: See Steinberg M S
- Collarini E**: See Butterworth F M
- Colonnier M**: See Tremblay J P
- Colwill J C**: See Veidlinger O F
- Conti L**: See Ruggieri S
- Cook M L**: See Bak I J
- Cooke J D**, Brown J D: Increased Dependence on Visual Information for Arm Movement in Patients with Parkinson's Disease, 76 (Feb) Abs
- Corcoran Michael E**, Cain Donald P, Wada John A: Photically Induced Seizures in the Yellow Baboon, Papio Cynocephalus, 129 (May)
- Cote M**, Bureau M, Leger C, Martin J, Gattiker H, Cimon M, Larose A, Lemieux B: Evolution

- of Cardio-Pulmonary Involvement in Friedreich's Ataxia, 151 (May)
- Larose A, Cimon M, Lemieux B: Cardiovascular Evaluation of Obligate Heterozygotes in Friedreich's Ataxia, 147 (May)
- Crapper D R, DeBoni U: Alzheimer Paired Helical Filaments in Vitro, 391 (Aug) Abs
- : See Karlik S J
- Czarkowski N: See Steinberg M S
- Dallaire L: See Melancon S B
- Dankova J: See Bedard P J
- : See Marchand R
- Dansky Linda, Andermann Eva, Sherwin Allan, L, Andermann Frederick, Kinch Robert A: Maternal Epilepsy and Birth Defects: Correlation with Plasma Anticonvulsant Levels During Pregnancy, 377 (Aug) Abs
- Darwish H, Brownell K A, Myles S T: Infantile Mixed Polyneuropathy, 397 (Aug) Abs
- : See Sarnat H
- Davidson L: See Lloyd K G
- Davignon J: See Draper P
- Davignon Jean, Huang Y S, Wolf J P, Barbeau A: Fatty Acid Profile of Major Lipid Classes in Plasma Lipoproteins of Patients with Friedreich's Ataxia — Demonstration of a Low Linoleic Acid Content most evident in the Cholesterol-Ester Fraction, 275 (May)
- De Boni U: See Crapper D R
- Debrun G, Fox A, Vinuela F, Peerless S, Drake C: Embolization of Cerebral Arteriovenous Malformations (Brain Angiomas) with Bucryl, 383 (Aug) Abs
- Debrun Gerard: See Fox Allan J
- deChampain: See Jasper H
- Degroot W: See Trevenen C L
- Delong M R, Georgopoulos A P: Functional Organization of the Substantia Nigra, Globus Pallidus and Subthalamic Nucleus in the Monkey, 77 (Feb) Abs
- : See Georgopoulos A P
- Deniau J M, Hammond C, Rizk A, Feger J: Electrophysiological Properties of Identified Output Neurons of the Rat Substantia Nigra (Pars Compacta and Pars Reticulata): Evidence for the Existence of Branched Neurons, 77 (Feb) Abs
- : See Hammond C
- : See Rinik E
- Derakhshan Iraj, Lotfi Jarmshid, Abbassioui Kazem: Degenerative Progressive Myoclonic Epilepsy Electrography Observations, 65 (Feb)
- Diamond Shirly G, Markham Charles H: Comparison of Mortality Rates in Parkinson Patients Treated with Sinemet or Levodopa, 77 (Feb) Abs
- Dibkin B: See Ridgley B A
- Dilenge Domineco: See Heon Maurice
- Dinsdale H B: Manpower Planning in Neurology: Observations from Ontario, 399 (Aug) Abs
- : See Andermann Frederick
- Dionne J, Wright G, Barber H, Bouchard R, Bouchard J P: Oculomotor and Vestibular Findings in Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay, 177 (May)
- Dipaolo Therese: See Labrie Fernand
- Dolan E J, Tator C H: The Effect of Spinal Distortion on Regional Spinal Cord Blood Flow in Cats, 394 (Aug) Abs
- : Tator C H: The Value of Early Relief of Persisting Spinal Cord Compression after Acute Cord Compression Injury, 394 (Aug) Abs
- Dooley J M, MacGregor D L, Berg J M: The Happy Puppet Syndrome, 393 (Aug) Abs
- Drake C: See Debrun G
- Drake C G: See Ferguson G G
- Draper P, Shapcott D, Larose A, Stankova J, Levesque F, Lemieux B: Glucose Tolerance and Erythrocyte Insulin Receptors in Friedreich's Ataxia, 233 (May)
- : Huang Y S, Shapcott D, Lemieux B, Brannan M, Barbeau A, Davignon J: Erythrocyte Membrane Lipids in Friedreich's Ataxia, 291 (May)
- Drummond K N: See Watters G V
- Duckett G: See Berger E
- Duncan I D: See Bray G M
- Duplantis Fernand, Rousseau Suzanne, Roy Louis E, Boileau Jean, Lemieux Lionel H: Critères d'investigation et de traitement de l'atheromatose carotidienne, 133 (May)
- Durity F A: See Kendall M J
- Durso R: See Liebermann A N
- D'Urso R: See Ruggieri S
- Durward Q, Barr H W K: Spontaneous Intracerebellar Hematoma — a 60% Mortality, 392 (Aug) Abs
- Durward Q J, Amacher A L, Shillito J: Extradural Tumours in the Region of the Foramen Magnum in Children, 387 (Aug) Abs
- : Peerless S J: Blood Volume Expansion and Induced Hypertension of the Management of Progressive Neurological Deficit Secondary to Ischemia, 381 (Aug) Abs
- Duvoisin R C, Mytilineou C: Morphologic and Behavioral Effects of Kainic Acid Injected Into Rat Striatum, 77 (Feb) Abs
- Dykes R W, Terzis J K, Straub B: Sensations from Surgically Transferred Glabrous Skin Central Versus Peripheral Factors, 437 (Nov)
- Ebers G C, Paty D W: The Usefulness of Isoelectric Focusing in Polyacrylamide Gel (IEF-PAGE) in Demonstrating Oligoclonal Banking in MS CSF, 396 (Aug) Abs
- : See Paty D W
- Ebert M H: See Levine R A
- Edmonds Virginia E: See Tator Charles
- Eisen A, Odusote K: A Simplified Analysis of Somatosensory Responses in Multiple Sclerosis, 384 (Aug) Abs
- : See Chayasisrishon S
- : See Odusote K
- Ekong Chris E U, Gabriel Y H: New Introducer for Subcutaneous Placement of Cerebrospinal Fluid Shunts: Technical Note, 69 (Feb)
- Elgie R G: See Veidlinger O F
- Embil J: See Camfield P R
- Emile J: See Pouplard A
- Epstein S W: See Vanderlinden R G
- Erbel F: See Struppner A
- Eng Nancy: See Nutt John
- Euvard C, Raynaud J P, Labrie F, Bossier J R: Dopamine, Acetylcholine and Estrogens at the Rat Striatum Level, 77 (Feb) Abs
- Evarts E V, Beuchert D E, Teravainen H T, Calne D B: Electromyographic Responses to Limb Displacement in Parkinson's Disease (PD), 78 (Feb) Abs
- : See Teravainen H
- Fahn Stanley, Barrett Robert E: Increase of Parkinsonian Symptoms as a Manifestation of Levodopa Toxicity, 78 (Feb) Abs
- : See Snider S R
- Falaschi P: See Ruggieri S
- Fantino M: See Marchand R
- Farrar J K: See Ferguson G G
- Farrell K: See Hill A
- Fazl M, Schutte H: Upper-Dorsal Sympathectomy for Hyperhidrosis, 380 (Aug) Abs
- Feasby T E: See Hahn A F
- Featherstone J W: See Reinis S
- Feger J, Ohye C: Peripheral Excitatory Input to Substantia Nigra, 78 (Feb) Abs
- : See Deniau J M
- : See Hammond C
- : See Rinik E
- Ferguson G G, Brett D C, Peerless S J, Girvin J P: Trigeminal Neuralgia: Percutaneous Rhizotomy versus Microvascular Decompression, 383 (Aug) Abs
- : Farrar J K, Drake C G, Varkey G A: CBF Measurement as a Guide to the Safety of Internal Carotid Occlusion in the Treatment of Carotid Aneurysms, 390 (Aug) Abs
- : See Fox Allan J
- Ferland L: See Fux K
- Ferland Louise: See Labrie Fernand
- Festenstein H: See Chamberlain S
- Fewer Derek, Hill Norman C: Preoperative Chemotherapy in the Treatment of Malignant Glioma, 377 (Aug) Abs
- Fibiger H C, Lehmann John, Butcher L L: The Localization of Acetylcholinesterase in the Corpus Striatum and Substantia Nigra of the Rat, 78 (Feb) Abs
- Fieschi C: See Casacchia M
- Filion M: Spontaneous Activity of Globus Pallidus Neurons During Alterations of Striatal Dopaminergic Mechanisms in Monkeys, 78 (Feb) Abs
- : See Harnois C
- Fillia A, Butterworth R F, Barbeau A: Pilot Studies on Membranes and some Transport Mechanisms in Friedreich's Ataxia, 285 (May)
- Fisher C M: Syncope of Obscure Nature, 7 (Feb)
- Fleming J Ross, Schutz H, Hogan M, Hogan P: Carotid Endarterectomy: Operative Risks versus Long Term Benefits, 377 (Aug) Abs
- Fletcher T: See Brownell A K W
- Fontaine G: See Melancon S B

- Foo S H:** See Lieberman A N
Forchetti C: See Scarnati E
Ford R: See Jern A
Forget Robert: See Humphreys Peter
Fox Allan J, Barnett H J M, Debrun Gerard: Amipaque Myelography in Syringomyelia, 377 (Aug) Abs
 _____ Ferguson Gary, Debrun Gerard: Transdural Anastomoses Stimulated by Craniotomy, 387 (Aug) Abs
 _____: See Debrun G
Frajese G: See Ruggieri S
Francoeur J: Derivation Lombo-Peritoneale dans la Syringomyie, 383 (Aug) Abs
Fraser I H: See Liew C C
Fraser R C: See Heffernan L P
Froese A: See Wong P K H
Fuxe K, Schwarz R, Agnati L, Andersson K, Hokfelt T, Perez de la Mora M, Ferland L: Studies on Different Types of D A Pathways and Their Interaction with Glutamate, GABA, and Enkephalin Neurons, 79 (Feb) Abs

Gabriel Y H: See Ekong Chris E U
Gallo J M: See Bruni J
Gattiker H: See Cote M
Gaudiano M: See Chouza C
Gauthier S G: See Young S N

Gentili F, Newcastle N B, Simpson W J K: A Clinico-Pathological Study of Malignant Peripheral Nerve Tumors, 377 (Aug) Abs
 _____: See Lougheed W M
Geoffroy G: See Melancon S B
 _____: See Renevey F
Georgopoulos A P, DeLong M R: Quantitative Studies of Neuronal Activity in Basal Ganglia During Limb Movements, 79 (Feb) Abs
 _____: See DeLong M R

Gerstenbrand F, Rainer J, Poewe W: The Influence of B-Adrenergic Blocking Agents on Parkinson Syndrome, 79 (Feb) Abs
Giguere M, Goucher R, Poirier L J: Autoradiographic Study of the Projections of the Basal Ganglia, Substantia Nigra and Red Nucleus in the Cat and Monkey, 79 (Feb) Abs
Gilbert J J: See Hahn A F
 _____: See Vinters H V
Gillies J D: See Seshia S S
Ginsburg A: See Regan D M
Giorguieff M F, Kemel M L, Glowinski J, Besson M J, Groupe N B: Presynaptic Control of Dopamine Release in the Striatum, 79 (Feb) Abs

Girvin J P: See Ferguson G G
Gladstone R M, Tucker W S, Bilbao J M: Primary Lymphomas of the Central Nervous System, 396 (Aug) Abs
Glowinski J: See Giorguieff M F
 _____: See Nicoullon A
Godbou R: See Picton T W
Goetz C: See Weiner W J
Goldstein M, Lew J Y, Nakamura S, Battista A F, Lieberman A: The Antiparkinsonian Efficacy of Ergot Alkaloids, 80 (Feb) Abs
Gomensoro J B: See Chouza C
Gomori A J: See Newman M
Gonsalves C G: See Tucker W S
Gordon A S, Britt B A: Malignant Hyperthermia: A Cause of Unexplained Elevation of Serum Creatinine Phosphokinase (CPK), 389 (Aug) Abs
 _____: See Liew C C
Goucher R: See Giguere M
Grabowska-Anden M: See Anden N E
Granerus A-K: Dyskinesia and the "On-Off" Phenomenon, 80 (Feb) Abs
Grangetto A: See Trouche E
Grenier B: See Melancon S B
Grignon B: See Melancon S B
Grimes J: Usefulness of Bromocriptine in Advanced Fluctuating Parkinson's Disease, 396 (Aug) Abs
Grofova I: See Rinvik E
Groupe N B: See Giorguieff M F
Gowdon J H: Choline and Lecithin Administration to patients with Tardive Dyskinesia, 80 (Feb) Abs
Guitton D: See Kirkham T H
Gwyn D G: See Leslie R A

Hachinski Vladimir C: See Norris John W
 _____: See Vilaghy M I
 _____: See White O B
Hahn A F, Feasby T E, Gilbert J J: Passive Transfer of Demyelinating Activity in Experimental Allergic Neuritis, 380 (Aug) Abs
 _____: See Purdy R A
Haldane E V: See Lannigan R
Hamel E, Butterworth R F, Barbeau A: Role of the Putative Amino Acid Transmitters GABA, Glutamic Acid and Aspartic Acid in Thiamine-Deficient Encephalopathy, 393 (Aug) Abs
 _____: See Butterworth R F
 _____: See Jolicœur F B
Hammond C, Deniau J M, Rizk A, Feger J: Electrophysiological Demonstration of an Excitatory Subthalamo-Nigral Pathway in the Rat with Special References to Branches Subthalamonigral Output Neurons, 80 (Feb) Abs
 _____: See Deniau J M
Handforth A H, Howse D C N: 2-Deoxy-Glucose Metabolism in Generalized Seizures Arising from a Kindred Focus, 385 (Aug) Abs
Harlock W: See Kertesz A
Harnois C, Filion M, Parent A: Projection of the Entopeduncular Nucleus to the Habenula in the Cat. An Anatomical and Physiological Study, 80 (Feb) Abs
Hassler R: Electronmicroscopic Differentiation of the Extrinsic and Intrinsic Types of Synapses in the Striatum and their Putative Transmitters, 80 (Feb) Abs
Hassler R: See Nitsch C
Hattori T: See McGeer E G
Hawrylyshyn P: See Tasker R R

Heffernan L P, Fraser R C, Purdy R A: Fibroid Radiculopathy: An Unusual Neurological Complication of a Common Benign Uterine Neoplasm, 396 (Aug) Abs
 _____: See Sangalang Virgilio E
Heon Maurice, Dilenge Domineco: Persistant Cranio-pharyngeal canal: report of two cases with unusual clinical and radiological features, 380 (Aug) Abs
Hill A, Farrell K, McGreal D A: The Borderland of Migraine, 399 (Aug) Abs
 _____: McGreal D A: Dejerine-sottas Disease in Children, 388 (Aug) Abs
 _____: See MacGregor D L
Hill Norman C: See Fewer Derek
Hinault P: See Sabourand O
Hirai T: See Ohye C
Hitri A: See Klawans H L
Hodge G K: See Butcher L L
Hoffman H J: See Wong P K H
Hogan M: See Fleming J Ross
Hogan P: See Fleming J Ross
Hokfelt T: See Fuxe K

Holness R O, Huestis W S, Badejo A: Antifibrinolytic Therapy in the Management of Subarachnoid Hemorrhage, 392 (Aug) Abs
 _____: Sangalang Virgilio E: Glioblastoma Following Radiation Therapy, 388 (Aug) Abs
Hoogstraten J, Seshia S S: Glioblast Leukodystrophy. Motor End-Plate Ultrastructure Simulating Neuroaxonal Dystrophy, 398 (Aug) Abs
 _____: See Trevenen C L
Hopkins D A: See Leslie R A
 _____: See McLean J H
Hore J, Vilis T: Monkey Arm Movement Performance During Basal Ganglia Dysfunction, 81 (Feb) Abs
Hornykiewicz Oleh: Compensatory Neurotransmitter Changes in the Parkinsonian Brain: Effect of Dopaminergic Drug Treatment, 81 (Feb) Abs
Horsey W J: See Tucker W S
Horoupiyan Dikran S: See Parr Justin
Horrobin D F: See Morgan R O
Howse D C N: See Handforth A H
Howes W: An Improved Treatment of Sagittal Synostosis, 383 (Aug) Abs
Hoyle K: See Lal S
Huang Y S: See Davignon Jean
 _____: See Draper P
Hudson A: See Bratten B
 _____: See Wilson R
Hudson A J: See Mably E
Hue B, Pelhate M, Chanelet J: Pre- and Postsynaptic Effects of Taurine and GABA in the Cockroach Central Nervous System, 243 (May)
Huestis W S: See Holness R O
Hugenholtz H: A Comparison of Extracranial Vascular Procedures and EC-IC Microsurgical Anastomosis for Delayed Post-Occlusion Ischemia of the Internal Carotid Artery, 378 (Aug) Abs

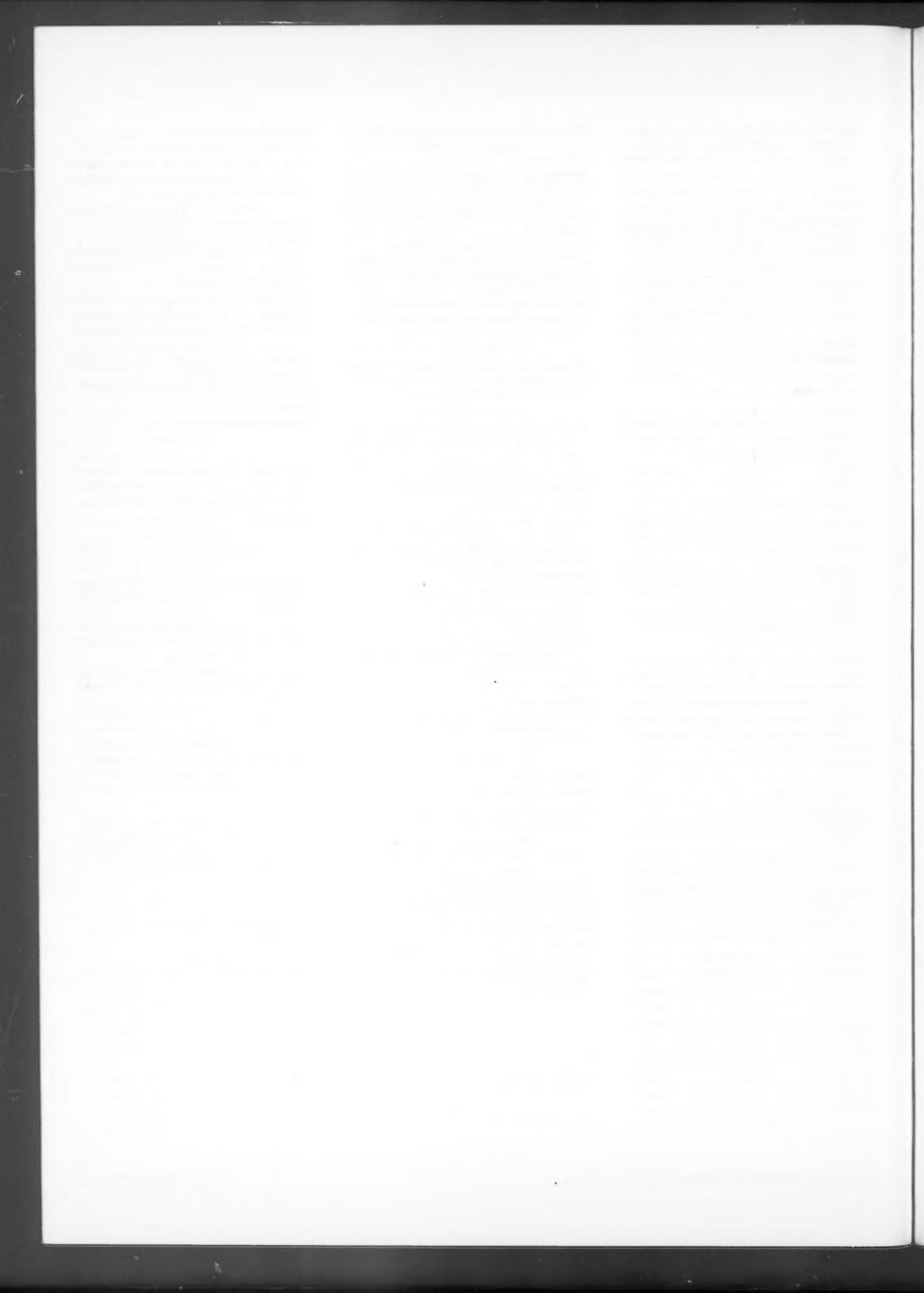
- : Barbiturate Therapy — A Report of Fifteen Cases, 390 (Aug) Abs
- Huhn O H:** See Becker W J
- Humphrey J G:** See Bril V
- Humphreys Peter, Forget Robert:** Development of Head Position Control in Cerebral Palsy Patients by Angular Displacement Feedback, 399 (Aug) Abs
- : See Watters G V
- Hurez D:** See Pouplard A
- Huxtable R, Azari J, Reisine T, Johnson P, Yamamura H, Barbeau A:** Regional Distribution of Amino Acids in Friedreich's Ataxia Brains, 255 (May)
- : See Azari J
- : See Reisine T D
- Iizuka R:** See Nagatsu T
- Imai S:** See Ohye C
- Ivan Leslie P:** See Ventureyra Enrique C G
- : Ventureyra E C G, Choo S H: Intracranial Pressure Monitoring with the Epidural Fiber-Optic Transducer in Children, 386 (Aug) Abs
- Jasper H, Reader T, deChamplain J:** Role of Cerebral Cortex in Tremor Mechanisms Reevaluated in Light of Ach-Biogenic Amine Interactions on Cortical Cells, 81 (Feb) Abs
- Joern A, LaPlante M, Richardson P, Ford R, Stratford J:** Severe Cauda Equina Compression from Acute Herniated Lumbar Disc, 395 (Aug) Abs
- Joffroy A J:** See Lamarre Y
- Johnson G J:** See Pryse-Phillips W
- Johnson P:** See Huxtable R
- Johnson P C:** See Reisine T D
- Jolicoeur F B, Rondeau D B, Hamel E, Butterworth R F, Barbeau A:** Measurement of Ataxia and Related Neurological Signs in the Laboratory Rat, 209 (May)
- Joy Michael:** See Schwartz Michael
- Kaplan B S:** See Watters G V
- Karlik S J, Crapper D R:** Neurotoxicity of Aluminum, 391 (Aug) Abs
- Karpati G, Carpenter S, Lemieux B:** The Preclinical State of Duchenne Dystrophy, 397 (Aug) Abs
- : Klassen Gerald, Tanser Paul: The Effects of Partial Chronic Denervation on Forearm Metabolism, 105 (May)
- : See Watters G V
- Kato T:** See Nagatsu T
- Katsarkas A:** See Kirkham T H
- Keene Daniel L, Andermann Eva, Andermann Frederick, Quesney Louis Felipe:** Startle Disorders of Man: A Unifying Concept, 389 (Aug) Abs
- : Melmed C, Andermann F: Allergy and the Brain, 394 (Aug) Abs
- Kemel M L:** See Giorguieff M F
- Kendall M J, Durity F A:** The Effect of High Dose Barbiturate on the Neuronal Changes of Acute Global Ischemia, 382 (Aug) Abs
- Kertesz A:** The Gerstmann Syndrome is Alive and Well and Resides in the Left Parietal Lobe, 377 (Aug) Abs
- : Harlock W: Literal, Verbal and Sentence Alexia, 399 (Aug) Abs
- Khayali M:** See Lieberman A N
- Kiely M E:** See Lal S
- Kim J K:** See Nitsch C
- Kinch Robert A:** See Dansky Linda
- Kirkham T H, Guittot D, Katsarkas A, Kline L B, Andermann E:** Oculomotor Abnormalities in Friedreich's Ataxia, 167 (May)
- : See Boghen D
- : See Watters G V
- Kitai S T, Kocsis J D, Preston R J, VanderMaelen C P:** Striato-Nigral Relationship: Morphological and Electrophysiological Studies, 81 (Feb) Abs
- Klassen Gerald:** See Karpati G
- Klawans H L, Hitri A, Nausieda P A, Weiner W J:** Effect of Chronic Levodopa Treatment on Striatal Membrane Dopamine Binding, 81 (Feb) Abs
- : See Weiner W J
- Kline L B:** See Kirkham T H
- Kobetz Steven, Sheremata William, Lopez Diana:** Steroid Modifications of Responses to Mitogens and Specific Neural Antigens in Multiple Sclerosis (MS), 393 (Aug) Abs
- Kocsis J D:** See Kitai S T
- Kofman O, Simard D, Marsh D:** Mercury Intoxication of the Nervous System in Canada (Chronic Minamata Disease), 397 (Aug) Abs
- Kolin A:** See Norris John W
- Kupersmith M:** See Lieberman A N
- Laaksonen H:** See Rinne U K
- Labbe J:** See Begin R
- Labrie Fernand, Beaulieu Michele, DiPaolo Therese, Ferland Louise, Raymond Vincent:** The Anterior Pituitary Dopamine Receptor: A Model for CNS Dopaminergic Systems, 82 (Feb) Abs
- : See Euvrard C
- Laflamme P:** See Boghen D
- Lai S:** Pathophysiology and Pharmacotherapy of Spasmodic Torticollis: A Review, 427 (Nov)
- : Hyote K, Kiely M E, Surkes T L, Baxter D W, Andermann F: Neuropharmacological Investigation and Treatment of Spasmodic Torticollis, 82 (Feb) Abs
- : See Baxter D W
- : See Sourkes T L
- Lamarre Y, Joffroy A J:** Experimental Tremor in Monkey: Activity of Thalamic and Precentral Cortical Neurons in the Absence of Peripheral Feedback, 93 (Feb) Abs
- Landreville F:** See Butterworth R F
- Langelier R, Bouchard J P, Bouchard R:** Computed Tomography of Posterior Fossa in Hereditary Ataxias, 195 (May)
- Langelier P:** See Bedard P J
- Langevin Pierre:** See Andermann Eva
- Lannigan R, Haldane E V, Marrie T J:** CSF Lactate Levels in Meningitis: A Help or Just Another Test?, 382 (Aug) Abs
- Lapham Lowell W:** See Wheatley Brian
- Laplante M:** See Joern A
- Larose A:** See Cote M
- : See Draper P
- Larsen B:** See Pryse-Phillips W
- Layout B S:** See Renaud L P
- LeBars R:** See Sabouraud O
- LeBlanc Gerard:** Anterior Cervical Discectomy without Fusion. An Effective and Safe Procedure, 398 (Aug) Abs
- Lee C:** See Bruni J
- Lee R G, Rohs G L, White D G:** Long Latency EMG Responses to Load Perturbations in Hemiplegic Patients, 384 (Aug) Abs
- : Stein R B: Reflex Mechanisms in Parkinsonian Tremor and Essential Tremor, 82 (Feb) Abs
- Leger C:** See Cote M
- LeGuyader C:** See Rinvik E
- Lehmann John:** See Fibiger H C
- Lemieux B:** See Begin R
- : See Cote M
- : See Draper P
- : See Karpati G
- : See Melancon S B
- Lemieux Lionel H:** See Duplantis Fernand
- Leslie R A, Gwyn D G, Hopkins D A:** The Distribution of Vagal Sensory Fibres to the Area Subpostrema of the Cat, 393 (Aug) Abs
- Lessard I:** See Molotchnikoff S
- Leung P K:** See Butterfield D A
- Levesque F:** See Draper P
- Levine R A, Robinson D, Williams A C, Ebert M H, Lovenberg W:** Measurement of Tetrahydrobiopterin in Human Cerebrospinal Fluid, 82 (Feb) Abs
- Levine R:** See Williams A C
- Lew J Y:** See Goldstein M
- Lewis A:** See White O B
- Lhermitte F, Signoret J L, Bonnet A M, Agid Y:** Therapeutic Approach of L-Dopa Induced Onset and End of Doses Dyskinesias, 82 (Feb) Abs
- : See Agid Y
- Lieberman A:** See Goldstein M
- Lieberman A N, Kupersmith M, Casson I, Durso R, Foo S H, Khayali M, Tartaro T:** Bromocriptine and Lergotrile: Comparative Efficacy in Parkinson Disease, 82 (Feb) Abs
- Liew C C, Fraser I H, Gordon A S:** Electrophoretic Analysis of Human Erythrocyte Membrane Proteins, 394 (Aug) Abs
- Livingston K E:** See Perrin R G
- Livingston Kenneth:** See Racine Ronald
- Lloyd K G, Shemesh L, Davidson L:** GABA and ³H-GABA Binding in Parkinson's Disease and Huntington's Chorea, 83 (Feb) Abs
- : See Bartholini G
- Lopez Diana:** See Kobetz Steven
- Lorenzo J:** See Chouza C
- Lotfi Jamshid:** See Derakhshan Iraj
- Loughheed W M, Gentili F:** A New Technique for Rapid Vascular Anastomosis, 387 (Aug) Abs
- Lovenberg W:** See Levine R A

- _____: See Williams A C
- Lowden S:** See Wilson R
- Lupien L:** See Begin R
- Mabry E:** Strickland K P, Tevaarwerk G T M, Hudson A J: Glucose Transport and Oxidation in Myotonia Dystrophica, 388 (Aug) Abs
- Macdonald R D:** See Talbot Jeannine
- MacGregor D L:** Hill A, Murphy E G: Neonatal Myotonic Dystrophy, 379 (Aug) Abs
- _____: See Dooley J M
- MacMillan V:** Defective Bile Acid Metabolism in Cerebrotendinous Xanthomatosis (Cholestanolosis), 395 (Aug) Abs
- _____: The Effect of the Anticonvulsant Valproic Acid on Cerebral Indole Amine Metabolism, 385 (Aug) Abs
- Magnani J:** See Steinberg M S
- Mamelak, Mortimer:** See Broughton Roger
- Man Godfrey C W:** See Smith Ronald J
- Man S F Paul:** See Smith Ronald J
- Marchand R:** Chauvel P, Fantino M, Poirier L J: Etude Histopathologique et Neurochimique Suite a des Lesions Unilaterales du Locus Coeruleus Chez le Rat et de la Region Postlocus Chez le Chat (Part 2), 113 (May)
- _____: Fantino M, Dankova J, Poirier L J: Correlations Histopathologiques et Neurochimiques en Fonction de Lesions de la Region du Locus Coeruleus chez le Chat (Part 1), 27 (Feb)
- _____: Parent A, Poirier L J: Cytohistochemical Study of the Primate Basal Ganglia and Substantia Nigra, 83 (Feb) Abs
- Markesberry W R:** See Butterfield D A
- Markham Charles H:** Bak I I Jin: Abnormal Behavior and Myoclonic Seizures in Rats Following Stereotaxic Neostriatal Injection of Herpes Simplex Virus, 83 (Feb) Abs
- _____: See Diamond Shirley G
- _____: See Bak I J
- Marrie T J:** See Lannigan R
- Marsden C D:** See Bedard P
- _____: See Parkes J D
- Marsh D:** See Kofman O
- Martin J:** See Cote M
- _____: See Tennyson V M
- Martin L:** See Blain J G
- Martinez S N:** See Bertrand C
- Marusyk Halyna:** See Monckton George
- Mayer R F:** The Effects of Altered Motor Control on Motor Units, 83 (Feb) Abs
- Mayrand Y:** See Berger E
- Meco G:** Casacchia M: Bromocriptine Versus Amantadine. A Double Blind Study, 83 (Feb) Abs
- _____: See Casacchia M
- Mehrmanesh F:** See Camfield P R
- Melancon S B:** Grignon G, Potier M, Dallaire L: Taurine and Beta-Alanine Uptake in Cultured Human Skin Fibroblasts from Patients with Friedreich's Ataxia, 251 (May)
- _____: Grenier B, Dallaire L, Potier M, Fontaine G, Grignon B, Geoffroy G, Lemieux B, Barbeau A: Dicarboxylic Amino Acid Uptake in Normal, Friedreich's Ataxia, and Dicarboxylic Aminoaciduria Fibroblasts, 263 (May)
- _____: Potier M, Dallaire L, Rollin P, Fontaine G, Grenier B: Pyruvate Dehydrogenase, Lipoamide Dehydrogenase and Citrate Synthase Activity in Fibroblasts from Patients with Friedreich's Ataxia and Charlevoix-Saguenay Ataxia, 241 (May)
- Melmed C:** See Keene D
- Menon Devidas, Weir Bryce:** Evaluation of Cerebral Blood Flow in Arteriovenous Malformations by the Xenon 133 Inhalation Method, 411 (Nov)
- Mercier L:** See Pivik R T
- Metrakos K:** See Keene D
- Miles Timothy S:** Features Peculiar to the Trigeminal Innervation, 95 (May)
- Miller J J, Rutherford D P:** Striatal Evoked Excitation and Inhibition in the Globus Pallidus and Substantia Nigra, 84 (Feb) Abs
- Mintz Gerald:** See Schwartz Michael
- Misgeld U:** Nicotinic Receptor Mediated Cholinergic Excitation in the Rat Neostriatum, 84 (Feb) Abs
- Mohler H:** See Riederer P
- Molina-Negro P:** See Bertrand C
- Molotchnikoff S, Lessard I:** Retinal Functions in Light Deprieved Animals Studied with Electrical Stimulation of Retina (T.R.S.), 393 (Aug) Abs
- Monckton George, Marusyk Halyna:** The Incorporation of ³H (G) L-Leucine into Single Muscle Fibers in Duchenne Dystrophy and Charcot-Marie Tooth Disease, 53 (Feb)
- Morgan R O, Naglie G, Horrobin D F, Barbeau A:** Erythrocyte Protoporphyrin Levels in Patients with Friedreich's and other Ataxias, 227 (May)
- Morley T P:** See Russell N A
- Moscarelo Mario A:** See Sheremata William
- Moyes Peter D:** See Wada John A
- Murphy E G:** See MacGregor D L
- Murray T J:** See Raymond J
- _____: See Regan D M
- _____: See Whitlock J
- Murphy J T, Aldridge J W, Anderson R J:** Caudate Nucleus Activity in Relation to Voluntary Movement, 85 (Feb) Abs
- Myles S T:** See Darwish H
- Mytilineou C:** See Duvoisin R C
- McDowell F H:** See Papavasiliou P
- _____: Papavasiliou P: "On-Off" Response Studies, 84 (Feb) Abs
- McDowell F H, Sweet R:** Ten Year Follow-up of One Hundred Patients with Parkinsonism Treated with Levodopa, 84 (Feb) Abs
- McGeer E G, McGeer P L, Hattori T, Vincent S R:** Biochemical pathology of Huntington's Disease and the Kainic Acid "Model", 84 (Feb) Abs
- McGeer P L:** See McGeer E G
- _____: Dendroaxonic Communication in the Extrapyramidal System, 84 (Feb) Abs
- McGreal D A:** See Hill A
- McGuinness U M:** See Richardson P M
- McLean Donald R:** See Smith Ronald J
- McLean J H, Hopkins D A:** Ultrastructure of the Dorsal Motor Nucleus of the Vagus Nerve in the Cat, 395 (Aug) Abs
- Nabavi N L:** See Benoit B G
- Nagasaki H:** See Nakamura R
- Nagatsu I:** See Natatsu T
- Nagatsu T, Kato T, Nagatsu I, Iizuka R, Narabayashi H:** Catecholamine Enzymes in Parkinson's Disease, 85 (Feb) Abs
- Naglie G:** See Morgan R O
- Nagy Richard:** See Andermann Eva
- Nakajima H:** See Ohye C
- Nakamura R, Nagasaki H, Taniguchi R, Narabayashi H:** Disturbances of Rhythm Formation in Parkinsonism, 85 (Feb) Abs
- Nakamura S:** See Goldstein M
- Nakatani S, Omaya A K:** Dose and Time Dependency of the Pattern of L-DOPA Induced Dyskinesias in Normal Monkeys and Monkeys with Ventromedial Tegmental Lesions, 85 (Feb) Abs
- Narabayashi H, Chida T:** Analysis of Two Factors, Psychological Stress Effect and Motor Effect, Influencing on the Involuntary Movement, 85 (Feb) Abs
- _____: Yasui N, Ohye Ch: Rigidity and Tremor of Neck Muscles in Parkinsonism, 85 (Feb) Abs
- _____: See Nagatsu T
- _____: See Nakamura R
- Nardini M:** See Casacchia M
- Nausieda P A:** See Klawans H L
- _____: See Weiner W J
- Nauta H:** See Tucker W S
- Neaga A:** See Berger E
- Nedzelski J M:** See Tator C H
- Neophytides Andreas I, Teychenne Paul F, Pleiffer Ronald F, Calne Donald B:** Sodium Valproate in the Treatment of Cerebellar Disorders, 455 (Nov)
- Newman M, Gomori A J:** Epileptic Twilight State, 385 (Aug) Abs
- _____: See Barwinsky J
- Nieoullon A, Cheramy A, Glowinski J:** Role of Dopamine in the Substantia Nigra in the Regulation of the Activity of the Nigro-Striatal Dopaminergic Neurons, 86 (Feb) Abs
- Nitsch C, Hassler R, Kim J K, Paik K S:** Glutamic Acid as Possible Neurotransmitter of Neo- and Allocortical Projections to the Basal Ganglia, 86 (Feb) Abs
- Norris John W, Hachinski Vladimir KC, Kolin A:** Cardiac Lesions Following Acute Stroke, 392 (Aug) Abs
- _____: See Vilaghy M I
- _____: See White O B
- Nussbaum D S, Reinis S:** Some Differential Effects of Infrasound on Humans, 400 (Aug) Abs
- Nutt John, Williams Adrian, Plotkin Charles, Eng Nancy, Ziegler Michael, Calne, Donald B:** Treatment of Parkinson's Disease with

- Sodium Valproate: Clinical, Pharmacological, and Biochemical Observations, 337 (Aug)
- Odusote Kayode**, Eisen Andrew: An Electrophysiological Quantitation of the Cubital Tunnel Syndrome, 403 (Nov)
- Eisen A: An EMG Rating System for Surgical Decompression in the Cubital Tunnel Syndrome, 378 (Aug) Abs
- Eisen A: See Eisen A
- Ogunmekan A O**: Vitamin E Deficiency and Seizures in Animals and Man, 43 (Feb)
- Ohye C**, Imai S, Nakajima H, Shibasaki T, Hirai T: Constant Relief (in Man) and Constant Production (in Monkey) of Tremor. A Pathophysiological Study, 86 (Feb) Abs
- Ohye Ch**: See Narabayashi H
- Oliver A**, Parent A: Comparative Study of the Intralaminar Thalamic Nuclei Including the Centre Median, 86 (Feb) Abs
- Ommaya A K**: See Nakatani S
- Oppenheimer D R**: Brain Lesions in Friedreich's Ataxia, 173 (May)
- Organ L W**: See Tasker R R
- Padjen A**: See Renaud L P
- Paik K S**: See Nitsch C
- Papakostopoulos D**, Banerji N K: Movement Related Brain Macropotentials During Skilled Performance in Parkinson's Disease, 86 (Feb) Abs
- Papavasiliou P**, McDowell F H: Relevance of Exogenous and Endogenous Growth Hormone on the Levodopa Cerebral Effects, 87 (Feb) Abs
- McDowell F H: See McDowell F H
- Paquet M**: See Bouchard J P
- Parent A**: Topographical Relationship Between Extrapyramidal and Limbic Systems in the Basal Forebrain: A Comparative Study in the Rat, Cat and Monkey, 87 (Feb) Abs
- Harnois C: See Harnois C
- Marchand M: See Marchand M
- Oliver A: See Oliver A
- Parkes J D**, Marsden C D, Bedard P, Price P A: Pharmacology of Dopamine Receptors in Man, 87 (Feb) Abs
- Parkes D**: See Bedard P
- Parkinson Dwight**, West Michael: Giant Cystic Craniopharyngioma: Case Report, 363 (Aug)
- Parr Justin**, Horoupiian Dikran S, Winkelman A Charles: Cerebellar Form of Progressive Multifocal Leukoencephalopathy (PML), 123 (May)
- Pash Michael**, Tweed W Arnold: Tissue Albumin and Water Content in the Early Stages of Vasogenic Brain Edema Formation, 423 (Nov)
- Patty Donald**: See Yates Stephen K
- Patty D W**, Ebers G C: Clinical Prognostic Markers in Multiple Sclerosis, 382 (Aug) Abs
- Sawa G M: See Sawa G M
- Patty D W**: See Ebers G C
- Pechadre J C**: Extra Neo-Strial Dopaminergic Activity and Akinesia, 87 (Feb) Abs
- Pecker J**, Scarabin J M, Vallee B: Presentation D'Un Appareillage Stereotaxique A Applications Multiples, 87 (Feb) Abs
- Peerless S**: See Debrun G
- Peerless S J**: See Durward Q J
- Ferguson G G: See Ferguson G G
- Pelhate M**: See Hue B
- Perchalski R J**: See Bruni J
- Perez de la Mora M**: See Fux K
- Perrin R G**, Livingston K E: Treatment of Pathological Fracture Dislocation of the Spine due to Metastatic Cancer, 386 (Aug) Abs
- Peyponnard J M**, Charron L, Barbeau A: The Neuropathy of Charlevoix-Saguenay Ataxia: An Electrophysiological and Pathological Study, 199 (May)
- Piccoli-Baretta M**: See Blain J G
- Picot T W**, Pivik R T, Godbout R: Scalp-recorded DC Potential Shifts Associated with Hyperventilation in Human Subjects, 380 (Aug) Abs
- Pivik R T**, Mercier L: Motoneuronal Excitability During Wakefulness and Non-REM Sleep: H-Reflex Recovery Function in Man, 384 (Aug) Abs
- Blain J G: See Picton T W
- Pleiffer Ronald F**: See Neophytides Andreas I
- Plotkin Charles**: See Nutt John
- Poewe W**: See Gerstenbrand F
- Poirier L J**: See Giguere M
- Marchand R: See Marchand R
- Pollak P L**: See Agid Y
- Polomeno R C**: See Watters G V
- Potier M**: See Melancon S B
- Pouplard A**, Emile J, Pouplard F, Hurez D: Parkinsonism and Autoimmunity. Antibody Against Human Sympathetic Ganglion cell in Parkinson's Disease, 87 (Feb) Abs
- Pouplard F**: See Pouplard A
- Preshaw R M**: See Brownell A K W
- Preston R J**: See Kitai S T
- Price P**: See Bedard P
- Price P A**: See Parkes J D
- Pryse-Phillips W**: Noise Induced Vestibular Damage, 400 (Aug) Abs
- Johnson G J, Larsen B: A "Partial Syndrome" of Myotonic Dystrophy, 388 (Aug) Abs
- Purdy R A**, Hahn A, Barnett H J M: Familial Fatal Parkinsonism with Alveolar Hypoventilation and Mental Depression, 400 (Aug) Abs
- Heffernan L P: See Heffernan L P
- Purdy W C**: See Young S N
- Quesney Louis Felipe**: See Keene Daniel L
- Racine Ronald**, Burnham W M, Livingston Kenneth: The Effects of Atropine and Reserpine on Cortical Kindling in the Rat, 47 (Feb)
- Rainer J**: See Gerstenbrand F
- Rajput A H**: Dystonia Musculorum Deformans. Three Non-Jewish Patients Treated with L-Dopa, 87 (Feb) Abs
- Deniau J M, Feger J, leGuyader C: Afferents to the Nucleus Subthalamicus, 88 (Feb) Abs
- Riopelle R J**, Cameron D: Ontogeny and Regional Distribution of Neurite Outgrowth Factors in Embryonic Chick, 395 (Aug) Abs
- Boegman R: Retrograde transport of -- Nerve Growth Factor in adult mouse sensory neurons -- influence of Batrachotoxin
- Rasminsky M**: See Baxter D W
- Raymond J**, Murray T J, Regan D M: Contrast Sensitivity in Multiple Sclerosis: abnormal buildup and recovery from adaptation, 384 (Aug) Abs
- Regan D M: See Raymond J
- Raymond Vincent**: See Labrie Fernand
- Raynaud J P**: See Euvrard C
- Reader T**: See Jasper H
- Regan D M**, Raymond J, Ginsburg A, Murray T J: Sensory Deficits Can Impair Recognition of Letters and Faces, 381 (Aug) Abs
- Whitlock J: See Raymond J
- Reinis S**, Featherstone J W, Tsaros C: The Effect of Simulated Sonic Booms on the Auditory Thresholds of Rhesus Monkeys, 400 (Aug) Abs
- Nussbaum D S: See Reinis S
- Reisine T D**, Azari J, Johnson P C, Barbeau A, Huxtable R, Yamamura H I: Brain Neurotransmitter Receptors in Friedreich's Ataxia, 259 (May)
- Azari J: See Reisine T D
- Huxtable R: See Reisine T D
- Renaud L P**, Padjen A, Arnauld E, Layton B S: Microiontophoresis of Excitatory Amino Acid and Antagonists on Identified Medial Hypothalamic Neurons, 395 (Aug) Abs
- Renevey F**, Amyot Y, Geoffroy G, Vanasse M: Tumeurs Cérébrales de l'enfant en milieu Canadien-Français, 329 (Aug)
- Rewcastle N B**: See Bril V
- Gentili F: See Rewcastle N B
- Ribadeau-Dumas J L**: See Rondot P
- Ribak C E**, Vaughan J E, Roberts E: GABAergic Neurons and Axon Terminals in the Extrapyramidal System as Demonstrated by Immunocytochemistry, 88 (Feb) Abs
- Richardson P**: See Joern A
- Richardson P M**, McGuinness U M, Aguayo A J: Regeneration Following Sciatic Nerve Grafting to the Rat Spinal Cord, 395 (Aug) Abs
- Ridgley B A**, Dibkin B, Tator C H, Rowed D W: The Effects of Ventricular Shunting on the Intellectual Functions of Patients with Normal Pressure Hydrocephalus, 390 (Aug) Abs
- Ridsdale L**: See Chayasirishnon S
- Riederer P**, Mohler H: Regional CNS-GABA Receptor Binding and GABA Levels in Parkinson's Disease, 88 (Feb) Abs
- Youdim M B H: See Riederer P
- Rinne U K**, Sonninen V, Laaksonen H: Responses of Brain Neurochemistry to Levodopa Therapy in Parkinson's Disease, 88 (Feb) Abs
- Rinvik E**, Grosova I, Deniau J M, Feger J, leGuyader C: Afferents to the Nucleus Subthalamicus, 88 (Feb) Abs
- Riopelle R J**, Cameron D: Ontogeny and Regional Distribution of Neurite Outgrowth Factors in Embryonic Chick, 395 (Aug) Abs
- Boegman R: Retrograde transport of -- Nerve Growth Factor in adult mouse sensory neurons -- influence of Batrachotoxin

- (BTX), and tetrodotoxin (TTX) on uptake and transport mechanisms, 379 (Aug) Abs
- Ristow G E: See Butterworth F M
- Rizk A: See Deniau J M
_____: See Hammond C
- Roberts E: See Ribak C E
- Robertson David M: See Anderson Brian
- Robertson W D: See Woodhurst W B
- Robinson D: See Levine R A
_____: See Williams A C
- Rocco A: See Ruggieri S
- Rohr G L: See Lee R G
- Rollin P: See Melancon S B
- Romero S: See Chouza C
- Rondeau D B: See Jolicoeur F B
- Rondot P, Ribadeau-Dumas J L, Ziegler R D: Clinical and Pharmacological Correlations During Fluctuations Observed in the Long-Term Levodopa Therapy, 88 (Feb) Abs
_____: See Bathien N
- Ross R T: Antiplatelet and Anticoagulant Failure in Carotid Artery Occlusion, 390 (Aug) Abs
- Rousseau Suzanne: See Duplantis Fernand
- Rowed D W: See Ridgley B A
_____: See Vilaghi M I
- Roy Louis E: See Duplantis Fernand
- Roy M: See Barbeau A
- Ruggieri S, Conti L, Baldassarre M, Agnoli A, Falaschi P, Rocco A, D'Urso R, Frajese G: Treatment of Parkinson's Disease with a New L-DOPA Preparation Alone or in Combination with a New DDI (Fentiazac), 88 (Feb) Abs
_____: See Scarnati E
- Russell N A, Vaughan Richard, Morley T P: Spinal Epidural Infection, 325 (Aug)
- Rutherford D P: See Miller J J
- Sabouraud O, Hinault P, Allain H, Toulouse P, LeBars R: L'Akinésie Parkinsonienne et l'Inertie Motrice Des Lesions Frontales. Ou Situer la Différence, 89 (Feb) Abs
_____: See Allain H
- Sachs J A: See Chamberlain S
- Sangalang Virgilio E, Heffernan L P: The Peripheral Neuropathy of Diabetes Mellitus: A Corroborative Argument for an Ischemic Etiology, 398 (Aug) Abs
_____: Camfield Peter, Tibbles J A R: Infantile Neuroaxonal Dystrophy; Clinical and Neuropathological Diagnosis, 389 (Aug) Abs
_____: See Holness Renn O
- Sarnat H, Darwish H, Archer C, Brownell K: Congenital Segmental Spinal Muscular Atrophy, 379 (Aug) Abs
- Sawa G M, Paty D: The Use of Baclofen in Treatment of Spasticity in Multiple Sclerosis, 351 (Aug)
_____: See Bolton C F
- Scarabin J M: See Pecker J
- Scarnati E, Forchetti C, Ruggieri S, Agoli A: Considerations about the ACh/DA/GABA Balance in the Striatum by the Hyperkinetic Syndrome Induced by d-Tubocurarine Intrastriatally Applied, 89 (Feb) Abs
- Scatton B: See Bartholini G
- Schatz S W, Talalla A: Pituitary Apoplexy, 381 (Aug) Abs
- Schroeder A: See Chouza C
- Schutz H: See Fazl M
_____: See Fleming J Ross
- Schwarz R: See Fux K
- Schwartz Michael, Mintz Gerald, Joy Michael, Skopitz Macey: The Effect of Age on Intravenous Cerebral Blood Flow and Rise Time Measurements in Normal Subjects, 391 (Aug) Abs
- Seland T P: See Becker W J
- Seshia S S, Gillies J D: Vegetative State After Non-traumatic Coma in Childhood — Evolution and Outcome, 382 (Aug) Abs
_____: See Hoogstraten J
_____: See Trevenen C L
- Severson D L: See Brownell A K W
- Shahani B T, Young R R: Control of Voluntary Ballistic and Ramp Movements in Patients with Parkinson's Disease, 89 (Feb) Abs
_____: See Young R R
- Shapcott D: See Draper P
- Shemen L: See Lloyd K G
- Sheremata William, Woods Denise D, Moscarello Mario A: Antibody to Proteolipid and Myelin Basic Protein in Multiple Sclerosis (MS) Sera, 385 (Aug) Abs
_____: See Kobetz Steven
- Sherwin A: See Keene D
- Sherwin Allan L: See Dansky Linda
- Shibasaki T: See Ohye C
- Shillito J: See Durward Q J
- Siegried J: Comparison of Various New Drugs in the Management of Dyskinesias, 89 (Feb) Abs
- Signoret J L: See Lhermitte F
- Simard D: See Kofman O
- Simpson W J K: See Gentili F
- Skopitz Macey: See Schwartz Michael
- Smith Ronald J, Man Godfrey C W, Man S F Paul, McLean Donald R: Diphenylhydantoin and Pulmonary Function, 21 (Feb)
- Smyth H S: See Veidlinger O F
- Snider R S: See Snider S R
- Snider S R, Snider R S, Fahn S: Anterior Cerebellum and Catecholaminergic Nuclei: Anatomical and Biochemical Evidence for Direct Interconnections, 89 (Feb) Abs
- Sonninen V: See Rinne U K
- Sourkes T L, Lal S: Biochemical and Pharmacological Tests of Central Monoamine Functions in Various Dyskinesias, 90 (Feb) Abs
_____: See Lal S
- Stankova J: See Draper P
- Stein R B: See Lee R G
- Steinberg M S, Magnani J, Czarkowski N, Coccia M B, Barbeau A: Hemagglutination by Lectins in Friedreich's Ataxia, 299 (May)
- Stevens J G: See Bak J J
- Stoyka W W, Tucker W A: The Cerebral and Cardiac Response to Nitroprusside Controlled Hypotension in Neurosurgical Patients, 382 (Aug) Abs
- Stratford J: See Joern A
- Strauch B: See Dykes R W
- Strickland K P: See Mably E
- Struppner A, Altmann H, Erbel F, Velho F: Investigations Concerning Motor Control in Man Under Hypotonia of Central and Peripheral Origin, 90 (Feb) Abs
- Svanborg Alvar: Tremor and Response to L-DOPA Treatment, 90 (Feb) Abs
- Swanson H A: See Becker W J
- Sweet R: See McDowell F H
- Szabo J: Interconnections Between Striatum and Substantia Nigra in the Cat and Monkey, 90 (Feb) Abs
- Talalla A: See Schatz S W
- Talbot Jeannine, Macdonald R D: A Familial Movement Disorder, 391 (Aug) Abs
- Tamminga C A: See Chase T N
- Taniguchi R: See Nakamura R
- Tanser Paul: See Karpati George
- Tartaro T: See Lieberman A N
- Tasker R R, Organ L W, Hawrylyshyn P: The Stereotactic Target for Dyskinesias, 90 (Feb) Abs
- Tator Charles H, Edmonds Virginia E: Diving may be a Breakneck Affair, 388 (Aug) Abs
_____: Nedzelski J M: Current Management of Acoustic Neuromas, 380 (Aug) Abs
_____: See Dolan E J
_____: See Ridgley B A
- Tatton W G, Bawa P, Bruce I C: Altered Responses of Motor Cortical Neurons as One Basis for Phenothiazine Rigidity, 90 (Feb) Abs
- Taylor Laughlin B: See Andermann Frederick
- Tennyson V M, Budininkas-Schoenebeck M, Martin J: Degeneration of Targets Deprived of Catecholaminergic Innervation, 90 (Feb) Abs
- Teravainen H, Calne D B, Evarts E V: Triggering and Resetting of Parkinsonian Tremor by Arm Displacement, 91 (Feb) Abs
_____: See Evarts E V
- Terzis J K: See Dykes R W
- Tevaarwerk G J M: See Mably E
- Teychenne Paul F: See Neophytides Andreas I
- Thompson C D: See Brownell A K W
- Thompson G B: See Woodhurst W B
- Tibbles J A R: See Sangalang V
- Tissot R: See Bartholini G
- Toma S: See Bathien N
- Tomas S: See Barthien N
- Toulouse P: See Sabouraud O
- Tremblay J P, Colonnier M: Types of Dense-Core Vesicles and Their Relations to Mitochondria and to Clear Vesicles in Aplysia Californica, 91 (Feb) Abs
- Trevenen C L, Hoogstraten J, DeGroot W, Seshia S S: Progressive Muscular Rigidity with Respiratory Failure in Infancy: A New Myopathy, 379 (Aug) Abs

- Trouche E**, Beaubaton D, Amato G, Grangetto A: Role of the Globus Pallidus in the Initiation and Execution of a Goal-Directed Movement, 91 (Feb) Abs
- Tsaros C**: Reinis S
- Tucker W A**: See Stoyka W W
- Tucker W S**, Nauta H, Horsey W J, Bilbao J M, Gonsalves C H: Meningiomas Associated with Cerebral Cysts, 386 (Aug) Abs
— See Gladstone R M
- Turnbull I M**: Thalamic Stimulation for Denervation Pain, 384 (Aug) Abs
- Tweed W Arnold**: See Pash Michael P
- Vallee B**: See Pecker J
- Vanasse M**: See Boule M
- Vanasse M**: See Renevey F
- Van Den Driesche J**: See Allain H
- Vanderlinde R G**, Epstein S W: A Review of Clinical Experience with Diaphragm Pacing, 386 (Aug) Abs
- Vandermaelen C P**: See Kitai S T
- Varkey G A**: See Ferguson G G
- Vaughn J E**: See Ribak C E
- Vaughan Richard**: See Russell N A
- Veidlinger O F**, Colwill J C, Smyth H S, Elgie R G: Cervical Stenosis, 387 (Aug) Abs
- Velho F**: See Struppner A
- Ventureyra Enrique C G**, Ivan Leslie P, Choo Sin H: Unusual Mass Lesions of the Pineal Region in Children, 381 (Aug) Abs
— Ivan Leslie P: Special Communication — Brain Resuscitation, 71 (Feb)
— See Ivan L P
- Vilaghy M I**, Hachinski V C, Norris J W: Value and Limitations of Doppler Scanning in Cerebrovascular Disease, 392 (Aug) Abs
— Rowed D W, Norris J W, Hachinski V C: Routine rCBF Monitoring During Carotid Endarterectomy, 389 (Aug) Abs
- Villis T**: See Hore J
- Villeneuve A**: Neuroendocrine Modulation in Tardive Dyskinesia, 91 (Feb) Abs
- Villota M**: See Berger E
- Vincent S R**: See McGeer E G
- Vinters H V**, Gilbert J J: Hypoxic Myelopathy, 380 (Aug) Abs
- Vinuela F**: See Debrun G
- Wada Juhn A**, Moyes Peter D: Forebrain Commissurotomy for Intractable Seizures, 385 (Aug) Abs
— See Corcoran Michael E
- Walker J L**: See Chamberlain S
- Warren K G**: See Young G B
- Watson C Peter**, Chiu M: Painful Tonic Seizures in Multiple Sclerosis: Localization of a Lesion, 359 (Aug)
- Watters G V**, Karpati G, Carpenter S, Humphreys P: Multicore Muscle Disease, Spine and Joint Stiffness, Spinal Calcification, and Axonal Degenerating Neuropathy, 379 (Aug) Abs
— Kaplan B S, Zlotkin S H, Drummond K N: Nephrotic Syndrome, Epileptic Seizures, and Friedreich's Ataxia in a Family, 397 (Aug) Abs
— Kirkham T H, Polomino R C: Congenital Oculomotor Apraxia of Cogan in Twelve Children, 398 (Aug) Abs
— See Keene D
- Weiner W J**, Nausieda P A, Goetz C, Klawans H L: Lergotrile in the Treatment of Parkinson's Disease, 91 (Feb) Abs
— See Klawans H L
- Weir Bryce**: Medical Aspects of the Preoperative Management of Aneurysms: A Review, 441 (Nov)
— See Menon Devidas
- West Michael**: See Parkinson Dwight
- West R**: See Becker W J
- Wheatley Brian**, Barbeau Andre, Clarkson Thomas W, Lapham Lowell W: Methylmercury Poisoning in Canadian Indians — the Elusive Diagnosis, 417 (Nov)
- White D G**: See Lee R G
- White O B**, Norris J W, Hachinski V C, Lewis A: Pathogenesis of Coning in Acute Fatal Stroke, 387 (Aug) Abs
- Whitlock J**, Regan D M, Murray T J, Beverley K I: Orientation-specific Contrast Sensitivity Losses in Multiple Sclerosis, 381 (Aug) Abs
- Wilder B J**: See Bruni J
- Williams A C**, Levine R, Robinson D, Lovenberg W, Caine D B: Low CSF Tetrahydrobiopterin Levels in Parkinsonism, 91 (Feb) Abs
— See Levine R A
- Williams Adrian**: See Nutt John
- Willmore L James**: See Bruni Joseph
- Wilson R**, Bilbao J: Acute Organic Psychosis Caused by Multiple Sclerosis, 382 (Aug) Abs
— Bilbao J, Hudson A: Myxedematous Polyneuropathy, 398 (Aug) Abs
— Bilbao J, Lowden S, Hudson A: Familial Cerebellar Degeneration, Polyneuropathy and Splenomegaly due to an Adult Form of Lipid Storage Disease, 391 (Aug) Abs
- Winkelman A Charles**: See Parr Justin
- Wise Roy A**: Affective-Motivational Deficits Underly Changes in Lever Pressing After Dopamine Blockade, 92 (Feb) Abs
- Wolf E**: See Chamberlain S
- Wolf J P**: See Davignon Jean
- Wong P K H**, Froese A, Hoffman H J: Respiratory Coordination Changes with Cerebellar Stimulation, 398 (Aug) Abs
— Bryan A C, Froese A: Respiratory Evoked Potentials, 380 (Aug) Abs
- Wood J D**: Can Compartmentation of γ -Aminobutyric Acid (GABA) Metabolism be Used to Advantage in the Therapeutic Regimens?, 92 (Feb) Abs
- Wood Robert W**: See Andermann Frederick
- Woodhurst W B**: Cerebellar Infarction — Review of Recent Experiences, 389 (Aug) Abs
— Thompson G B, Robertson W D, Borozny M: Carotid Injury due to Intraoral Trauma, 392 (Aug) Abs
- Woods Denise D**: See Sheremata William
- Worms P**: See Bartholini G
- Wright G**: Sese Dionne J
- Yahr Melvin D**: Drug Induced Involuntary Movements — Consideration of its Pathophysiology and Treatment, 92 (Feb) Abs
- Yamamura H I**: See Azari J
— See Huxtable R
— See Reisinger T D
- Uasui N**: See Narabayashi H
- Yates Stephen K**, Brown William F: Conduction Abnormalities in Tourniquet Paralysis, 381 (Aug) Abs
— Brown William F, Paty Donald: Blink and Jaw Jerk Reflexes in Multiple Sclerosis, 398 (Aug) Abs
- Youdim M B H**, Riederer P: Functional Activity of Monoamine Oxidase in L-DOPA Therapy, 92 (Feb) Abs
- Young G B**, Blume W T, Warren K G, Bolton C F: High Dose Short-acting Barbiturates in Refractory Status Epilepticus, 386 (Aug) Abs
- Young R R**, Shahani B T: A Quantitative Analysis of Single Motor Unit Discharge Patterns in Patients with Parkinson's Disease, 92 (Feb) Abs
— See Shahani B T
- Young S N**, Gauthier S G, Anderson G M, Purdy W C: The Influence of Anti-Parkinsonian Drugs on Tryptophan Metabolism, 93 (Feb) Abs
- Ziegler Michael**: See Nutt John
- Ziegler R D**: See Rondot P
- Zivkovic B**: See Bartholini G
- Zlotkin S H**: See Watters G V



Subject Index to Volume 6

Abs = Abstract

- Acetylcholine**
cholinergic drugs, 75 (Feb) Abs
dopaminergic drugs, 75 (Feb) Abs
neostriatal, 75 (Feb) Abs
serotonergic drugs, 75 (Feb) Abs
- Action Potentials**
effect of temperature on, 378 (Aug) Abs
- Akinesia**
neo-striatal dopaminergic activity, 87 (Feb)
Abs
- Akinesis**
neostriatum, 73 (Feb) Abs
nucleus accumbens, 73 (Feb) Abs
- Albumin**
content in vasogenic brain edema, 423 (Nov)
- Alexia**
literal, verbal and sentence, 399 (Aug) Abs
- Allergy**
brain, 394 (Aug) Abs
- Aluminum**
neurotoxicity of, 391 (Aug) Abs
- Alzheimer's Disease**
paired helical filaments, 391 (Aug) Abs
- Amantadine**
versus bromocriptine, 83 (Feb) Abs
- Amino Acid**
dicarboxylic, 263 (May)
in Friedreich's ataxia brains, 255 (May)
(May)
uptake in Friedreich's ataxia, 263 (May)
uptake in normals, 263 (May)
- Anastomoses**
technique of rapid procedure, 387 (Aug) Abs
transdural and craniotomy, 387 (Aug) Abs
- Aneurysm**
carotid and occlusion of internal carotid artery, 390 (Aug) Abs
cerebral, 441 (Nov)
cerebral blood flow measurement, 390 (Aug)
Abs
preoperative management of, 441 (Nov)
- Apraxia**
congenital oculomotor, 398 (Aug) Abs
- Arteriovenous**
malformation and cerebral blood flow, 441 (Nov)
- Arteriovenous Malformation**
embolization of, 383 (Aug) Abs
- Artery**
anastomosis, 378 (Aug) Abs
carotid atheroma, 133 (May)
carotid injury and intraoral trauma, 392 (Aug)
Abs
carotid occlusion and anticoagulant treatment, 390 (Aug) Abs
dissection of internal carotid, 389 (Aug) Abs
extracranial surgery, 378 (Aug) Abs
internal carotid occlusion, 378 (Aug) Abs
- Ataxia**
autosomal recessive, 177 (May)
Charlevoix-Saguenay 177 (May)
Charlevoix-Saguenay 185 (May)
- Charlevoix-Saguenay 199 (May)
C T Scan of posterior fossa, 195 (May)
Friedreich's and HLA typing, 451 (Nov)
hereditary, 195 (May)
measurement of in the rat, 209 (May)
neuropathy, 199 (May)
oculomotor findings in, 177 (May)
vestibular findings in, 177 (May)
- Atheroma**
carotid artery, 133 (May)
- Atrophy**
spinal muscular congenital, 379 (Aug) Abs
- Atropine**
cortical kindling, 47 (Feb)
- Auditory Thresholds**
and simulated sonic booms, 400 (Aug) Abs
- Autoradiography**
basal ganglia, 79 (Feb) Abs
red nucleus, 79 (Feb) Abs
substantia nigra, 79 (Feb) Abs
- Baboon**
induced seizures, 129 (May)
- Baclofen**
in spasticity and multiple sclerosis, 351 (Aug)
- Barbiturate**
neuronal changes and acute global ischemia, 382 (Aug) Abs
- Basal Ganglia**
dysfunction and arm movement, 81 (Feb) Abs
neuronal activity during limb movements, 79 (Feb) Abs
- Beta-Alanine**
in skin fibroblasts in Friedreich's ataxia, 251 (May)
- Blood-Brain Barrier**
423 (Nov)
- Blood Flow**
cerebral and effective age, 391 (Aug) Abs
cerebral in arteriovenous malformation, 411 (Nov)
regional spinal cord, 394 (Aug) Abs
- Brain**
age-related changes, 76 (Feb) Abs
cholinesterases, 75 (Feb) Abs
monamines, 76 (Feb) Abs
resuscitation, 71 (Feb)
synapses, 75 (Feb) Abs
vasogenic edema, 423 (Nov)
- Brain Lesions**
Friedreich's ataxia, 173 (May)
- Bromocriptine**
dyskinesia, 76 (Feb) Abs
dystonia, 76 (Feb) Abs
versus amantadine, 83 (Feb) Abs
- Cancer**
metastatic and fracture dislocation of the spine, 386 (Aug) Abs
- Cardiac**
syncope, 7 (Feb)
- Cardiomyopathy**
in hamster, 223 (May)
- Cardiopulmonary Disease**
in Friedreich's ataxia, 151 (May)
- Cardiovascular Evaluation**
Friedreich's ataxia, 147 (May)
- Carnitine Palmitoyl Transferase**
cold-induced rhabdomyolysis, 367 (Aug)
deficiency, 367 (Aug)
- Cataplexy**
gamma-hydroxybutyrate, 1 (Feb)
- Catecholaminergic**
innervation, 90 (Feb) Abs
- Caudate Nucleus**
voluntary movement, 85 (Feb) Abs
- Cauda Equina**
compression and acute lumbar disc disease, 395 (Aug) Abs
- Cerebellum**
diseases of and sodium valproate, 455 (Nov)
stimulation and respiratory coordination, 398 (Aug) Abs
- Cerebral**
blood flow in arteriovenous malformation, 411 (Nov)
- Cerebral Cortex**
acetylcholine-amine interactions, 81 (Feb) Abs
tremor mechanism, 81 (Feb) Abs
- Cerebral Palsy**
head position control, 399 (Aug) Abs
- Cerebrotendinous Xanthomatosis**
defective bile acid metabolism, 395 (Aug) Abs
- Charcot-Marie Tooth Disease**
leucine incorporation, 53 (Feb)
- Charlevoix-Saguenay**
citrate synthase, 241 (May)
EEG findings, 191 (May)
in fibroblasts, 241 (May)
lipoamide dehydrogenase, 241 (May)
pyruvate dehydrogenase, 241 (May)
spastic ataxia, 177 (May)
- Children**
cerebral tumors, 329 (Aug)
- Choline**
cholinergic drugs, 75 (Feb) Abs
neostriatal, 75 (Feb) Abs
serotonergic drugs, 75 (Feb) Abs
- Circling**
substantia nigra, 75 (Feb) Abs
- Citrate Synthase**
Charlevoix-Saguenay ataxia, 241 (May)
Friedreich's ataxia, 241 (May)
- Cockroach**
taurine and GABA, 243 (May)
- Coma**
non-traumatic in children, 382 (Aug) Abs
- Compression**
spinal cord and early treatment, 394 (Aug) Abs
- Conduction Velocity**
ulnar nerve, 403 (Nov)
- Corpus Callosum**
familial agenesis and neuropathy, 400 (Aug)
Abs

Corpus Striatum
localization of acetylcholinesterase, 78 (Feb) Abs

Cortisol
in multiple sclerosis, 59 (Feb)

Cranio-Pharyngeal Canal
persistent, 380 (Aug) Abs

Craniopharyngioma
giant cystic, 363 (Aug)

C T Scan
posterior fossa in hereditary ataxias, 195 (May)

Cubital Tunnel
syndrome, 403 (May)

Cubital Tunnel Syndrome
EMG evaluation, 378 (Aug) Abs

Cysticercosis
cerebral, 371 (Aug)

Cysts
cerebral and meningiomas, 386 (Aug) Abs

Deficiency
carnitine palmitoyl transferase, 367 (Aug)
cold-induced rhabdomyolysis, 367 (Aug)

Dementia
microvascular morphometry in hippocampal cortex, 390 (Aug) Abs

Denerivation
forearm muscle metabolism, 105 (May)

Diabetes Mellitus
peripheral neuropathy, 398 (Aug) Abs

Diaphragm
pacing, 386 (Aug) Abs

Diphenylhydantoin
pulmonary function, 21 (Feb)

Discoidectomy
cervical, 387 (Aug) Abs

Dopamine
enkephalin neurons, 79 (Feb) Abs
GABA, 79 (Feb) Abs
glutamate, 79 (Feb) Abs
pathways, 79 (Feb) Abs

Dopamine Blockade
92 (Feb) Abs

Dopamine Receptors
anterior pituitary, 82 (Feb) Abs
blocking agents, 73 (Feb) Abs
pharmacology of, 87 (Feb) Abs
presynaptic and postsynaptic effect, 73 (Feb) Abs

Doppler Scanning
in cerebrovascular disease, 392 (Aug) Abs

Duchenne Dystrophy
leucine incorporation, 53 (Feb)

Dyskinesia
central monoamine functions, 90 (Feb) Abs
choline, 80 (Feb) Abs
EMG activity, 74 (Feb) Abs
L-Dopa, 74 (Feb) Abs
L-dopa induced, 82 (Feb) Abs
lecithin, 80 (Feb) Abs
neuroendocrine modulation, 91 (Feb) Abs
new drugs in the management of, 89 (Feb) Abs
"on-off" phenomenon, 80 (Feb) Abs
spinal reflexes, 74 (Feb) Abs
stereotactic target, 90 (Feb) Abs
tardive, 80 (Feb) Abs
tardive, 91 (Feb) Abs

Dyskinesias
cortico-bulbar fibers, 75 (Feb) Abs
stereotactic targets, 75 (Feb) Abs

Dystonia
cortico-bulbar fibers, 75 (Feb) Abs
musculorum deformans, 87 (Feb) Abs
stereotactic targets, 75 (Feb) Abs
Westphal phenomenon, 74 (Feb) Abs

Dystonic Syndromes
essential tremor, 74 (Feb) Abs

Dystrophy
Duchenne muscular, 355 (Aug)
infantile neuroaxonal, 389 (Aug) Abs
neonatal myotonic, 379 (Aug) Abs
preclinical Duchenne, 397 (Aug) Abs

Edema
brain, 423 (Nov)
tissue albumin, 423 (Nov)
vasogenic, 423 (Nov)
water content, 423 (Nov)

EEG Abnormalities
Friedreich's ataxia, 191 (May)
spastic ataxia of Charlevoix-Saguenay, 191 (May)

Electrokymograph
myoclonic epilepsy, 65 (Feb)

Electromyography
185 (May)
Charlevoix-Saguenay ataxia, 185 (May)
Friedreich's ataxia, 185 (May)
nerve conduction studies, 185 (May)

Electrophysiological
quantitation of cubital tunnel syndrome, 403 (Nov)

EMG
ulnar nerve lesions, 403 (Nov)

Encephalitis
powassan, 396 (Aug) Abs

Encephalopathy
amino acid changes in, 217 (May)
thiamine-deficient, 217 (May)
thiamine-deficient, 393 (Aug) Abs

Endarterectomy
carotid, 377 (Aug) Abs
carotid and stroke prevention, 390 (Aug) Abs
cerebral blood flow monitoring during carotid, 389 (Aug) Abs

Entrapment
ulnar nerve, 403 (Nov)

Epilepsy
electrokymographic observations, 65 (Feb)
maternal and birth defects, 377 (Aug) Abs
myoclonic, 65 (Feb)
pregnancy, 345 (Aug)
status and barbiturates, 386 (Aug) Abs
twilight state, 385 (Aug) Abs

Ergot Alkaloids
antiparkinsonian effect, 80 (Feb) Abs

Erythrocyte
Friedreich's ataxia, 291 (May)
insulin receptors in Friedreich's ataxia, 233 (May)
membrane lipids, 291 (May)
membrane proteins in Friedreich's ataxia, 295 (May)
protoporphyrin levels in ataxia, 227 (May)

Extrapyramidal Disorders
dopamine agonist, 76 (Feb) Abs

gaba and dopamine neurons, 74 (Feb) Abs
hyperkinetic, 76 (Feb) Abs
therapeutic approaches, 74 (Feb) Abs

Extrapyramidal System
dendroaxonic communication, 84 (Feb) Abs
estrogen, 74 (Feb) Abs
progesterone, 74 (Feb) Abs

Fatty Acids
in Friedreich's ataxia, 275 (May)

Fibers
vagal sensory and the area subpostrema, 393 (Aug) Abs

Fibroblasts
dicarboxylic amino acid uptake, 263 (May)
dicarboxylic aminoaciduria, 263 (May)
Friedreich's ataxia, 263 (May)

Foramen Magnum
extradural tumours of, 387 (Aug) Abs

Fracture
neck and diving, 388 (Aug) Abs

Friedreich's Ataxia
amino acid distribution, 255 (May)
beta-alanine in human skin fibroblasts, 251 (May)
brain lesions, 173 (May)
brain neurotransmitter receptors, 259 (May)
cardiomyopathy in hamster, 223 (May)
cardiopulmonary involvement, 151 (May)
cardiovascular evaluation, 147 (May)
citrate synthase, 241 (May)
dicarboxylic amino acid uptake, 263 (May)
EEG findings, 191 (May)
electromyography, 185 (May)
erythrocyte insulin receptors, 233 (May)
erythrocyte membrane lipids, 291 (May)
erythrocyte membrane proteins, 295 (May)
erythrocyte protoporphyrin levels, 227 (May)
fatty acid profile, 275 (May)
fibroblasts, 241 (May)
glucose tolerance, 233 (May)
hemagglutination by lectins, 299 (May)
HLA typing, 451 (Nov)
in Rimouski, 205 (May)
linoleic acid content, 275 (May)
lipoamide dehydrogenase, 241 (May)
membranes, 285 (May)
nerve conduction studies, 185 (May)
oblige heterozygotes, 147 (May)
oculomotor abnormalities, 167 (May)
overview, 311 (May)
plasma lipoproteins, 275 (May)
pyruvate dehydrogenase, 241 (May)
regulation of respiration, 159 (May)
taurine in skin fibroblasts, 251 (May)
transport mechanisms, 285 (May)

Gaba
in therapy, 92 (Feb) Abs
levels in parkinson's disease, 88 (Feb) Abs
pre and post-synaptic effects in cockroach, 243 (May)
regional receptor binding, 88 (Feb) Abs
sodium valproate, 455 (Nov)

Gamma-Hydroxybutyrate
cataplexy, 1 (Feb)
narcolepsy, 1 (Feb)

Glioma
preoperative chemotherapy, 377 (Aug) Abs

Globus Pallidus
functional organization in monkey, 77 (Feb) Abs

- initiation and execution of directed movement, 91 (Feb) Abs
spontaneous activity, 78 (Feb) Abs
striatal dopaminergic mechanisms, 78 (Feb)
 Abs
striatal excitation, 84 (Feb) Abs
striatal inhibition, 84 (Feb) Abs
- Glucose Tolerance**
 Friedreich's ataxia, 233 (May)
- Glutamic Acid**
 basal ganglia, 86 (Feb) Abs
 neurotransmitter, 86 (Feb) Abs
- Growth Hormone**
 on levodopa effects, 87 (Feb) Abs
- Hamster**
 cardiomyopathy, 223 (May)
- Hemagglutination**
 lectins in Friedreich's ataxia, 299 (May)
- Hematoma**
 spontaneous intracerebellar, 392 (Aug) Abs
- Hemiplegia**
 EMG responses, 384 (Aug) Abs
- Hemorrhage**
 subarachnoid and antifibrinolytic therapy, 392 (Aug) Abs
- HLA Frequencies**
 Friedreich's ataxia, 451 (Nov)
- Huntington's Chorea**
 Gaba, 83 (Feb) Abs
 3-H-Gaba, 83 (Feb) Abs
- Huntington's Disease**
 biochemical pathology, 84 (Feb) Abs
 kainic acid model, 84 (Feb) Abs
- Hydrocephalus**
 normal pressure and shunting, 390 (Aug) Abs
 volume-pressure studies, 383 (Aug) Abs
- Hyperhidrosis**
 sympathectomy, 380 (Aug) Abs
- Hyperkinetic Syndrome**
 acetylcholine, 89 (Feb) Abs
 dopamine, 89 (Feb) Abs
 GABAmine, 89 (Feb) Abs
 induced by d-Tubocurarine, 89 (Feb) Abs
- Hyperthermia**
 malignant, 389 (Aug) Abs
- Hyperventilation**
 DC potential shifts, 380 (Aug) Abs
- Hypotension**
 cerebral and cardiac responses to nitroprusside controlled, 382 (Aug) Abs
 orthostatic, 7 (Feb)
- Hypotonia**
 motor control, 90 (Feb) Abs
- Immigration**
 neurological disorders and, 399 (Aug) Abs
- Immunocytochemistry**
 axon terminals, 88 (Feb) Abs
 extrapyramidal system, 88 (Feb) Abs
 GABAergic neurons, 88 (Feb) Abs
- Indians**
 Canadian and methylmercury poisoning, 417 (Nov)
- Infarction**
 cerebellar, 389 (Aug) Abs
- Infection**
 spinal epidural, 325 (Aug)
- Infrasound**
 effect on humans, 400 (Aug) Abs
- Innervation**
 density of skin, 437 (Mov)
 trigeminal, 95 (May)
- Intracranial Pressure**
 monitoring and fiber-optic transducer, 386 (Aug) Abs
- Involuntary Movement**
 drug induced, 75 (Feb) Abs
 management of, 75 (Feb) Abs
- Ischemia**
 cerebral and blood volume expansion and hypertension, 381 (Aug) Abs
- Kainic Acid**
 behavioral effects of, 77 (Feb) Abs
 rat striatum, 77 (Feb) Abs
- Kindling**
 atropine, 47 (Feb)
 cortical, 47 (Feb)
 generalized seizures arising from, 385 (Aug) Abs
 Abs
 reserpine, 47 (Feb)
 2-deoxy-glucose metabolism, 385 (Aug) Abs
- L-Dopa**
 dyskinesia, 76 (Feb) Abs
 dyskinesias and ventromedial tegmental lesions, 85 (Feb) Abs
 dystonia, 76 (Feb) Abs
 functional activity of monoamine oxidase, 92 (Feb) Abs
- Lectins**
 hemagglutination in Friedreich's ataxia, 299 (May)
- Leucine**
 Charcot-Marie Tooth Disease, 53 (Feb)
 Duchenne dystrophy, 53 (Feb)
- Leukodystrophy**
 globoid, 397 (Aug) Abs
- Leukoencephalopathy**
 cerebellar form of, 123 (May)
 progressive multifocal 123 (May)
- Levodopa**
 long-term therapy, 88 (Feb) Abs
 pharmacological correlations, 88 (Feb) Abs
 treatment of parkinson's disease, 88 (Feb) Abs
 tremor and responses to, 90 (Feb) Abs
 with fentiazac, 88 (Feb) Abs
- Limbic System**
 extrapyramidal system, 87 (Feb) Abs
 topographical relationships, 87 (Feb) Abs
- Lipid Storage Disease**
 with cerebellar degeneration, neuropathy and splenomegaly, 391 (Aug) Abs
- Lipoamide Dehydrogenase**
 Charlevoix-Saguenay ataxia, 241 (May)
 Friedreich's ataxia, 241 (May)
- Lipoproteins**
 in Friedreich's ataxia, 275 (May)
- Locomotion**
 substantia nigra, 75 (Feb) Abs
- Locus Coeruleus**
 function, 27 (Feb)
 histopathology, 27 (Feb)
 histopathology, 113 (May)
 neurochemistry, 27 (Feb)
 neurochemistry, 113 (May)
- Lymphomas**
 of the central nervous system, 396 (Aug) Abs
- Lysophosphatidyl Choline**
 peripheral nerve fiber demyelination, 397 (Aug) Abs
- Malformation**
 arteriovenous and cerebral blood flow, 411 (Nov)
- Management**
 preoperative of cerebral aneurysms, 441 (Nov)
- Manpower Planning**
 in neurology, 399 (Aug) Abs
- Melanin**
 in neurofibroma, 139 (May)
- Meningitis**
 CSF lactate levels, 382 (Aug) Abs
- Mercury**
 intoxication of the nervous system, 397 (Aug) Abs
- Metabolism**
 denervation, 105 (May)
 forearm, 105 (May)
- Methylmercury**
 poisoning in Canadian Indians, 417 (Nov)
- Migraine**
 borderland of, 399 (Aug) Abs
- Mitochondria**
 clear vesicles, 91 (Feb) Abs
 dense-core vesicles, 91 (Feb) Abs
- Motor Units**
 altered motor control, 83 (Feb) Abs
- Movement**
 drug induced involuntary, 92 (Feb) Abs
 involuntary, 85 (Feb) Abs
 motor effects, 85 (Feb) Abs
 stress effects, 85 (Feb) Abs
- Movement Disorder**
 familial, 391 (Aug) Abs
- Multiple Sclerosis**
 acute psychosis, 382 (Aug) Abs
 antibody to protolipid, 385 (Aug) Abs
 baclofen, 351 (Aug)
 blink and jaw jerk reflexes, 398 (Aug) Abs
 clinical prognostic markers, 382 (Aug) Abs
 contrast sensitivity in, 384 (Aug) Abs
 myelin basic protein, 385 (Aug) Abs
 oligoclonal banding and polyacrylamide gel, 396 (Aug) Abs
 orientation-specific contrast sensitivity, 381 (Aug) Abs
 painful tonic seizures, 359 (Aug)
 plasma cortisol, 59 (Feb)
 response to mitogens and specific antigens in, 393 (Aug) Abs
 somatosensory responses, 384 (Aug) Abs
 spinal and cortical evoked potentials, 384 (Aug) Abs
 treatment of spasticity, 351 (Aug)
- Muscle Disease**
 multicore, 379 (Aug) Abs
- Myelopathy**
 hypoxic, 380 (Aug) Abs
- Myoclonus**
 postanoxic intention, 39 (Feb)
 valproic acid, 39 (Feb)
- Myopathy**
 mitochondrial, 378 (Aug) Abs

- muscular rigidity and respiratory failure**, 379
 (Aug) Abs
- oculoskeletal and abnormal mitochondria**, 378 (Aug) Abs
- Myotonia**
 dystrophica and glucose transport and oxidation, 388 (Aug) Abs
- Myotonic**
 dystrophy partial, 388 (Aug) Abs
- Narcolepsy**
 gamma-hydroxybutyrate, 1 (Feb)
- Neostriatum**
 cholinergic excitation, 84 (Feb) Abs
- nicotinic receptor, 84 (Feb) Abs
- rat, 84 (Feb) Abs
- Nephrotic Syndrome**
 seizures and Friedreich's ataxia, 397 (Aug) Abs
- Nerve**
 axillary and shoulder trauma, 388 (Aug) Abs
- dorsal motor nucleus of vagus, 395 (Aug) Abs
- ulnar, 403 (Nov)
- Nerve Conduction Studies**
 Charlevoix-Saguenay ataxia, 185 (May)
- Friedreich's ataxia, 185 (May)
- Nerve Growth Factor**
 transport of, 379 (Aug) Abs
- Neuralgia**
 trigeminal and rhizotomy and microvascular decompression, 383 (Aug) Abs
- Neurite Outgrowth**
 ontogeny and distribution of, 395 (Aug) Abs
- Neuritis**
 experimental allergic and demyelinating activity, 380 (Aug) Abs
- Neurofibroma**
 melanin containing, 319 (May)
- Neuroma**
 management of acoustic, 380 (Aug) Abs
- Neurons**
 medial hypothalamic and amino acids, 395 (Aug) Abs
- Neuropathy**
 Charlevoix-Saguenay ataxia, 199 (May)
- Cis-platinum, 378 (Aug) Abs
- Dejerine-Sottas, 388 (Aug) Abs
- Nuclei**
 anterior cerebellum, 89 (Feb) Abs
- catecholaminergic, 89 (Feb) Abs
- interconnections, 89 (Feb) Abs
- Nucleus**
 entopeduncular, 80 (Feb) Abs
- Nucleus Subthalamicus**
 afferents to, 88 (Feb) Abs
- Oculomotor Abnormality**
 Friedreich's ataxia, 167 (May)
- in spastic ataxia of Charlevoix-Saguenay, 177 (May)
- On-Off Responses**
 84 (Feb) Abs
- Pain**
 denervation and thalamic stimulation, 384 (Aug) Abs
- Paralysis**
 tourniquet and conduction abnormalities, 381 (Aug) Abs
- Paraplegia**
 arachnoid cyst and meningioma, 387 (Aug) Abs
- Parkinsonism**
 bromocriptine, 73 (Feb) Abs
- dopaminergic drugs, 81 (Feb) Abs
- familial fatal, 400 (Aug) Abs
- mortality with levodopa, 77 (Feb) Abs
- mortality with sinemet, 77 (Feb) Abs
- neurotransmitter changes, 81 (Feb) Abs
- plasmenin, 73 (Feb) Abs
- rigidity, 85 (Feb) Abs
- 10 year follow-up, 84 (Feb) Abs
- treated with L-dopa, 84 (Feb) Abs
- tremor of neck muscles, 85 (Feb) Abs
- Parkinson's Disease**
 akinesia, 89 (Feb) Abs
- beta adrenergic blocking agents, 79 (Feb) Abs
- brain phospholipids, 76 (Feb) Abs
- bromocriptine, 82 (Feb) Abs
- bromocriptine, 396 (Aug) Abs
- catecholamine enzymes, 85 (Feb) Abs
- control of ramp movements, 89 (Feb) Abs
- control of voluntary ballistic movements, 89 (Feb) Abs
- CSF tetrahydrobiopterin levels, 91 (Feb) Abs
- depronyl, 76 (Feb) Abs
- disturbances of rhythm formation, 85 (Feb) Abs
- GABA, 83 (Feb) Abs
- increased symptoms and levodopa toxicity, 78 (Feb) Abs
- lergotript, 82 (Feb) Abs
- lergotript in the treatment, 92 (Feb) Abs
- levodopa therapy, 88 (Feb) Abs
- limb displacement, 78 (Feb) Abs
- movement related macropotentials, 86 (Feb) Abs
- single motor unit discharge patterns, 92 (Feb) Abs
- sodium valproate, 337 (Aug)
- sympathetic ganglion cell antibodies, 87 (Feb) Abs
- 3H-GABA, 83 (Feb) Abs
- tremor and arm displacement, 91 (Feb) Abs
- Parkinson's Syndrome**
 principles and problems of therapy, 75 (Feb) Abs
- Pathway**
 subthalamo-nigral, 80 (Feb) Abs
- Phenytin**
 protein binding of valproic acid, 453 (Nov)
- Pituitary Apoplexy**
 381 (Aug) Abs
- Poisoning**
 methylmercury in Canadian Indians, 417 (Nov)
- Polyneuropathy**
 infantile mixed, 397 (Aug) Abs
- myxedematous, 398 (Aug) Abs
- Potentials**
 respiratory evoked, 380 (Aug) Abs
- Pregnancy**
 epilepsy, 345 (Aug)
- Primate Basal Ganglia**
 cytohistochemical study, 83 (Feb) Abs
- Protein Synthesis**
- 355 (Aug)
- in Duchenne muscular dystrophy, 355 (Aug) in patients and carriers, 355 (Aug)
- Proteins**
 analysis of erythrocyte membrane, 304 (Aug) Abs
- binding by valproic acid, 453 (Nov)
- Pulmonary Function**
 diphenylhydantoin, 21 (Feb)
- Pyruvate Dehydrogenase**
 Charlevoix-Saguenay ataxia, 241 (May)
- Friedreich's ataxia, 241 (May)
- Radiation**
 therapy causing glioblastoma, 388 (Aug) Abs
- Radiculopathy**
 fibroid, 396 (Aug) Abs
- Receptors**
 neurotransmitter in Friedreich's ataxia, 259 (May)
- Recognition**
 letters and faces with sensory deficit, 381 (Aug) Abs
- Reflex**
 depressor, 95 (May)
- diving, 95 (May)
- naso-cardiorespiratory, 95 (May)
- oculocardiac, 95 (May)
- Regeneration**
 primary aberrant, 398 (Aug) Abs
- Reserpine**
 cortical kindling, 47 (Feb)
- Respiration**
 Friedreich's ataxia, 159 (May)
- Resuscitation**
 brain, 71 (Feb)
- Retina**
 function and light deprived animals, 393 (Aug) Abs
- Rhabdomyolysis**
 carnitine palmitoyl transferase deficiency, 367 (Aug)
- cold-induced, 367 (Aug)
- Rigidity**
 motor cortical neuron response, 90 (Feb) Abs
- neostriatum, 73 (Feb) Abs
- nucleus accumbens, 73 (Feb) Abs
- phenothiazine, 90 (Feb) Abs
- Rimouski**
 Friedreich's ataxia, 205 (May)
- Schwann Cell**
 origin of melanin, 139 (May)
- Seizures**
 akinetic, 7 (Feb)
- forebrain commissurotomy, 385 (Aug) Abs
- painful tonic in multiple sclerosis, 359 (Aug) photically induced, 129 (May)
- Vitamin E, 43 (Feb)
- Shunt**
 cerebrospinal fluid, 69 (Feb)
- subcutaneous placement introducer, 69 (Feb)
- Skin**
 glabrous, 437 (Nov)
- reinnervation, 437 (Nov)
- Skin Innervation**
 central and peripheral factors, 437 (Nov)

- Sleep**
 gamma-hydroxybutyrate, 1 (Feb)
 nocturnal, 1 (Feb)
 non-REM and H-reflex, 384 (Aug) Abs
- Sodium Valproate**
 cerebellar disorders, 455 (Nov)
 GABA, 455 (Nov)
 parkinson's disease, 337 (Aug)
 seizures in children, 385 (Aug) Abs
- Spasmodic Torticollis**
 neuropharmacological investigation, 82 (Feb)
 Abs
 pathophysiology of, 427 (Nov)
 pharmacotherapy, 427 (Nov)
- Spasticity**
 baclofen, 351 (Aug)
- Spinal**
 epidural infection, 325 (Aug)
- Spinal Cord**
 compression and early treatment, 394 (Aug)
 Abs
 sciatic nerve grafting, 394 (Aug) Abs
 sciatic nerve grafting, 395 (Aug) Abs
- Startle Disorders of Man**
 389 (Aug) Abs
- Stenosis**
 cervical, 387 (Aug) Abs
- Stereotaxic**
 applications, 87 (Feb) Abs
- Striatum**
 acetylcholine, 77 (Feb) Abs
 dopamine, 77 (Feb) Abs
 dopamine release, 79 (Feb) Abs
 estrogens, 77 (Feb) Abs
 levodopa treatment, 81 (Feb) Abs
 membrane dopamine binding, 81 (Feb) Abs
 nigral relationship, 81 (Feb) Abs
 presynaptic control of, 79 (Feb) Abs
 rat, 77 (Feb) Abs
 synapses of, 80 (Feb) Abs
 transmitters of, 80 (Feb) Abs
- Stroke**
 cardiac lesions after, 392 (Aug) Abs
 pathogenesis of coning, 387 (Aug) Abs
- Substantia Nigra**
 and striatum connections, 90 (Feb) Abs
 branched neurons, 77 (Feb) Abs
 cytohistochemical study, 83 (Feb) Abs
 dopamine, 86 (Feb) Abs
 functional organization in monkey, 77 (Feb)
 Abs
 localization of acetylcholinesterase, 78 (Feb)
 Abs
- nigro-striatal dopaminergic neurons, 86 (Feb)
 Abs
 output neurons of, 77 (Feb) Abs
 peripheral input, 78 (Feb) Abs
 striatal excitation, 84 (Feb) Abs
 striatal inhibition, 84 (Feb) Abs
- Subthalamic Nucleus**
 functional organization in monkey, 77 (Feb)
 Abs
- Subthalamo-Nigral**
 output neurons, 80 (Feb) Abs
 pathway, 80 (Feb) Abs
- Surgery**
 for ulnar nerve entrapment, 403 (Nov)
- Syncope**
 cardiac, 7 (Feb)
 orthostatic hypotensive, 7 (Feb)
 seizure, 7 (Feb)
 vaso-vagal, 7 (Feb)
- Syndrome**
 bobble-head doll, 386 (Aug) Abs
 cubital tunnel, 403 (Nov)
 electrophysiological quantitation, 403 (Nov)
 Gerstmann, 377 (Aug) Abs
 happy puppet, 393 (Aug) Abs
- Synostosis**
 sagittal and treatment, 383 (Aug) Abs
- Syringomyelia**
 amipaque myelography, 377 (Aug) Abs
 lumbo-peritoneal shunt, 383 (Aug) Abs
- Taurine**
 in skin fibroblasts in Friedreich's ataxia, 251
 (May)
 pre and post-synaptic effects in cockroach, 243
 (May)
- Tetrahydrobiopterin**
 in human CSF, 82 (Feb) Abs
- Thalamus**
 centre median, 86 (Feb) Abs
 intralaminar, 86 (Feb) Abs
 nuclei, 86 (Feb) Abs
- Thiamine**
 deficient encephalopathy, 217 (May)
- Tremor**
 essential, 82 (Feb) Abs
 experimental and thalamic and precentral
 cortical neurons, 93 (Feb) Abs
 parkinsonian, 82 (Feb) Abs
 production of, 86 (Feb) Abs
- relief of, 86 (Feb) Abs
 reflex mechanisms, 82 (Feb) Abs
- Thrombosis**
 vein of Galen, 392 (Aug) Abs
- Trigeminal**
 innervation, 95 (May)
- Tryptophan**
 metabolism and anti-parkinsonian drugs, 93
 (Feb) Abs
- Tumor**
 pineal in children, 381 (Aug) Abs
- Tumors**
 cerebral in children, 329 (Aug)
 malignant peripheral nerve, 377 (Aug) Abs
- Valproic Acid**
 and plasma levels of phenobarb, 383 (Aug)
 Abs
 cerebral indole amine metabolism, 385 (Aug)
 Abs
- Vasovagal**
 syncope, 7 (Feb)
- Vestibular Abnormalities**
 in spastic ataxia of Charlevoix-Saguenay, 177
 (May)
- Vestibular Damage**
 noise induced, 400 (Aug) Abs
- Virus**
 abnormal behavior, 83 (Feb) Abs
 herpes simplex, 74 (Feb) Abs
 herpes simplex, 83 (Feb) Abs
 neurone identification, 74 (Feb) Abs
 neostriatal injection, 83 (Feb) Abs
 neostriatum, 74 (Feb) Abs
 seizures, 83 (Feb) Abs
- Visual Information**
 arm movement, 76 (Feb) Abs
 parkinson's disease, 76 (Feb) Abs
- Vitamin E**
 seizures, 43 (Feb)
- Water**
 content in vasogenic brain edema, 423 (Nov)
- Xenon 133**
 inhalation method in arteriovenous
 malformation, 411 (Nov)



Editorial—R.T. Ross	(XV)
The Treatment of Narcolepsy-Cataplexy with Nocturnal Gamma-Hydroxybutyrate	
Roger Broughton and Mortimer Mamelak	1
Syncope of Obscure Nature—C.M. Fisher	7
Diphenylhydantoin and Pulmonary Function	
Ronald J. Smith, Godfrey C.W. Man, S.F. Paul Man, Donald R. McLean	21
Correlations Histopathologiques et Neurochimiques en Fonction de Lesions de la Region du locus Coeruleus chez le chat, (Part 1)	
R. Marchand, M. Fantino, J. Dankova, L.J. Poirier	27
Treatment of Postanoxic Intention Myoclonus with Valproic Acid—J. Bruni, L.J. Willmore, B.J. Wilder	39
Vitamin E Deficiency and Seizures In Animals and Man — A.O. Ogunmeken	43
The Effects of Atropine and Reserpine on Cortical Kindling in the Rat	
Ronald Racine W.M. Burnham, Kenneth Livingston	47
The Incorporation of $^3\text{H}(G)$ L-Leucine into Single Muscle Fibers in Duchenne Dystrophy and Charcot-Marie Tooth Disease—George Monckton and Halyna Marusyk	53
Fluctuation of Plasma Cortisol Levels in Multiple Sclerosis—F.M. Butterworth, G.E. Ristow, E. Collarini	59
Degenerative Progressive Myoclonic Epilepsy: Electrokymographic Observations	
Iraj Derakhshan, Jamshid Lotfi and Kazem Abbassi	65
New Introducer of Subcutaneous Placement of Cerebro Spinal Fluid Shunt	
Chris E.U. Ekong and Y.H. Gabriel	69
Special Communication-Brain Resuscitation—Enrique C.G. Ventureyra and Leslie P. Ivan	71
Abstracts of the VI th International Symposium of Parkinson's Disease	73
Notices & Books	94

Quebec Cooperative Study of Friedreich's Ataxia	
Andre Barbeau	145
Cardiovascular Evaluation of Obligate Heterozygotes in Friedreich's Ataxia	
M. Cote, A. Larose, M. Cimon, and B. Lemieux	147
Evolution of Cardiopulmonary Involvement in Friedreich's Ataxia	
M. Cote, M. Bureau, C. Leger, J. Martin, H. Gattiker, M. Cimon, A. Larose, and B. Lemieux	151
Regulation of Respiration in Friedreich's Ataxia	
R. Begin, L. Lupien, M. A. Bureau, J. Labbe, and B. Lemieux	159
Oculomotor Abnormalities in Friedreich's Ataxia	
T. H. Kirkham, D. Guitton, A. Katsarkas, L. B. Kline, and E. Andermann	167
Brain Lesions in Friedreich's Ataxia — D. R. Oppenheimer	173
Oculomotor and Vestibular Findings in Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay — J. Dionne, G. Wright, H. Barber, R. Bouchard, and J. P. Bouchard	177
Electromyography and Nerve Conduction Studies in Friedreich's Ataxia and Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay (ARSACS)	
J. P. Bouchard, A. Barbeau, R. Bouchard, and R. W. Bouchard	185
Electroencephalographic Findings in Friedreich's Ataxia and Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay (ARSACS)	
R. W. Bouchard, J.P. Bouchard, R. Bouchard, and A. Barbeau	191
Computed Tomography of Posterior Fossa in Hereditary Ataxias	
R. Langelier, J.P. Bouchard, and R. Bouchard	195

The Neuropathy of Charlevoix-Saguenay Ataxia: An Electrophysiological and Pathological Study — J. P. Peyronnard, L. Charron, and A. Barbeau	199
A Cluster of Friedreich's Ataxia in Rimouski, Quebec — J. P. Bouchard, A. Barbeau, R. Bouchard, M. Paquet, and R. W. Bouchard	205
Measurement of Ataxia and Related Neurological Signs in the Laboratory Rat — F. B. Jolicoeur, D. B. Rondeau, E. Hamel, R. F. Butterworth, and A. Barbeau	209
Amino Acid Changes in Thiamine-deficient Encephalopathy: Some Implications for the Pathogenesis of Friedreich's Ataxia — R. F. Butterworth, E. Hamel, F. Landreville, and A. Barbeau	217
The Syrian Golden Hamster: A Model for the Cardiomyopathy of Friedreich's Ataxia — J. Azari, R. Reisine, A. Barbeau, H. I. Yamamura, and R. Huxtable	223
Erythrocyte Protoporphyrin Levels in Patients with Friedreich's and other Ataxias — R. O. Morgan, G. Naglie, D. F. Horobin, and A. Barbeau	227
Glucose Tolerance and Erythrocyte Insulin Receptors in Friedreich's Ataxia — R. Draper, D. Shapcott, A. Larose, J. Stankova, F. Levesque, and B. Lemieux	233
Pyruvate Dehydrogenase, Lipoamide Dehydrogenase, and Citrate Synthase Activity in Fibroblasts from Patients with Friedreich's and Charlevoix-Saguenay Ataxias — S. B. Melancon, M. Potier, L. Dallaire, R. Rollin, G. Fontaine, and B. Grenier	241
Pre and Postsynaptic Effects of Taurine and GABA in the Cockroach Central Nervous System — B. Hue, M. Pelhate, and J. Chanelet	243
Taurine and Beta-alanine Uptake in Cultured Human Skin Fibroblasts from Patients with Friedreich's Ataxia — S. B. Melancon, B. Grignon, M. Potier and L. Dallaire	251
Regional Distribution of Amino Acids in Friedreich's Ataxia Brains — R. Huxtable, J. Azari, T. Reisine, P. Johnson, H. I. Yamamura, and A. Barbeau	255
Brain Neurotransmitter Receptors in Friedreich's Ataxia — T. D. Reisine, J. Azari, P. C. Johnson, A. Barbeau, R. Huxtable, and H. I. Yamamura	259
Dicarboxylic Amino Acid Uptake in Normal, Friedreich's Ataxia, and Dicarboxylic Aminoaciduria Fibroblasts — S. B. Melancon, B. Grenier, L. Dallaire, M. Potier, G. Fontaine, B. Grignon, G. Geoffroy, B. Lemieux, and A. Barbeau	263
Fatty Acid Profile of Major Lipid Classes in Plasma Lipoproteins of Patients with Friedreich's Ataxia — Demonstration of a low linoleic acid content most evident in the cholesteryl-ester fraction — J. Davignon, Y. S. Huang, J. P. Wolf, and A. Barbeau	275
Plot Studies on Membranes and Some Transport Mechanisms in Friedreich's Ataxia — A. Fillat, R. F. Butterworth, and A. Barbeau	285
Erythrocyte Membrane Lipids in Friedreich's Ataxia — R. Draper, Y. S. Huang, D. Shapcott, B. Lemieux, M. Brennan, A. Barbeau, and J. Davignon	291
Evidence for an Altered Physical State of Membrane Proteins in Erythrocytes in Friedreich's Ataxia — D. A. Butterfield, P. K. Leung, W. R. Markesberry, and A. Barbeau	295
Hemagglutination by Lectins in Friedreich's Ataxia — M. S. Steinberg, J. Magnani, N. Czarkowski, M. B. Coccia, and A. Barbeau	299
Friedreich's Ataxia 1979: An Overview — A. Barbeau	311
Notices and Books	321

Editorial	323
Spinal Epidural Infection — N.A. Russell, Richard Vaughan, and T.P. Morley	325
Tumeurs Cérébrales de l'enfant en milieu Canadien-Français — R. Renevey, Y. Amyot, G. Geoffroy, M. Vanasse	329

Treatment of Parkinson's Disease with Sodium Valproate: Clinical, Pharmacological, and Biochemical Observations John Nutt, Adrian Williams, Charles Plotkin, Nancy Eng, Michael Ziegler, and D.B. Caine	337
Epilepsy and Pregnancy — Joseph Bruni, L. James Willmore	345
The Use of Baclofen in Treatment of Spasticity in Multiple Sclerosis — G.M. Sawa and D.W. Paty	351
Decrease in the Rate of Protein Synthesis by Polyosomes from Cultured Fibroblasts of Patients and Carriers with Duchenne Muscular Dystrophy — M. Boulé, M. Vanasse et L. Brakier-Gingras	355
Painful Tonic Seizures in Multiple Sclerosis: Localization of a Lesion — C. Peter Watson, M. Chiu	359
Giant Cystic Craniopharyngioma: Case Report — Dwight Parkinson and Michael West	363
Cold Induced Rhabdomyolysis in Carnitine Palmitoyl Transferase Deficiency A.K.W. Brownell, D.L. Severson, C.D. Thompson, and T. Fletcher	367
Human Cysticercosis: A Probable Case of Cerebral Cysticercosis with Generalized Subcutaneous Nodular Lesions — Z. Ali Khan, S. Chayasirisobhon, and M. Aubé	371
Abstracts of the XIVth Canadian Congress of Neurological Sciences	375
Notices and Books	401

An Electrophysiological Quantitation of the Cubital Tunnel Syndrome Kayode Odusote and Andrew Eisen	403
Evaluation of Cerebral Blood Flow in Arteriovenous Malformations by the Xenon 133 Inhalation Method Devidas Menon and Bryce Weir	411
Methylmercury Poisoning in Canadian Indians — The Elusive Diagnosis Brian Wheatley, Andre Barbeau, Thomas W. Clarkson, and Lowell W. Lapham	417
Tissue Albumin and Water Content in the Early Stages of Vasogenic Brain Edema Formation Michael P. Pash and W. Arnold Tweed	423
Pathophysiology and Pharmacotherapy of Spasmodic Torticollis: A Review — S. Lal	427
Sensations from Surgically Transferred Glabrous Skin; Central Versus Peripheral Factors R.W. Dykes, J.K. Terzis, and B. Strauch	437
Medical Aspects of the Preoperative Management of Aneurysms: A Review — Bryce Weir	441
Non-Association of Friedreich's Ataxia and HLA Based on Five Families S. Chamberlain, J.L. Walker, J.A. Sachs, E. Wolf, and H. Festenstein	451
Effect of Phenytoin on Protein Binding of Valproic Acid — J. Bruni, J.M. Gallo, and B.J. Wilder	453
Sodium Valproate in the Treatment of Cerebellar Disorders Andreas I. Neophytides, Paul F. Teychenne, Ronald F. Pleiffer and Donald B. Caine	455
Notices and Books	459
Index to Volume 6	(i)